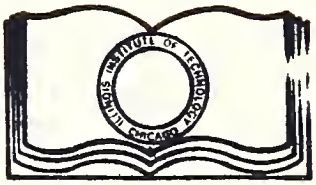

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News from
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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Tiny particles of airborne dust--almost invisible to the naked eye--may be a great hindrance to outer space travel, according to the findings of researchers at the Armour Research Foundation of Illinois Institute of Technology, Chicago.

This problem and the problem of erosion of metal surfaces caused by the heat generated by air friction are being given serious attention by engineers in the ARF propulsion and fluids research department.

To simulate some of the hazards encountered in space flight, ARF researchers have developed a method which may be useful for accelerating fine dust particles to speeds as high as 11,000 feet per second, or more than 7,000 miles per hour.

Investigators have learned, reports Dr. E. H. Schulz, assistant director for research operations, that ordinary dust traveling at such high speeds can cause extensive damage to metal and glass surfaces.

If damage from these millions of dust specks striking the surface of a satellite vehicle is great enough, Schulz said, it could seriously diminish the chances of a missle or satellite to fulfill its mission.

-more-

4/2/56

"Preliminary tests have indicated," points out Stuart A. Hoenig, project engineer, "that thin metal shields may not provide the necessary protection against meteoric dust for very high altitude flight."

However, research in this area is complicated because of the lack of exact data on the quantity, size, distribution, composition and velocity of dust in the upper atmosphere.

Another source of damage to guided missiles and satellites is the erosion of metal surfaces by the immense heat generated by the friction of the air against an object in flight.

This heat, Hoenig said, can cause severe damage to the exterior of the missile, create higher resistance to the flow of air around the missile, and increase the heat transfer. If the heat becomes great enough, it could vaporize, at least the outer surface, of a missile or satellite.

The method employed in studying some of the conditions met by a missile in flight involves the loading of dust in the firing end of a shock tube.

The shock tube then is fired, and the high pressure gases behind the shock wave expand to high velocity and carry the dust along with them.

The dust particles strike against the metal plate at the opposite end of the tube. The size of the dust particles, quantity, and velocity can be varied and controlled by adjusting the shock tube papameters.

Calculations by Armour Research Foundation personnel have indicated that, with certain modification, velocities as high as 11,000 feet per second can be achieved by this method, thus permitting studies in this field over wide ranges of velocity.

In the studies conducted at the Foundation, dust particles have been propelled at speeds up to 4,000 feet per second. At this velocity, the dust penetrated a copper plate .008" thick and extensively damaged the surface of a half-inch thick aluminum plate.

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FOR RELEASE: Immediate

From: Victor J. Danilov
CAlumet 5-9600
Ext. 692

A look into the future will be one of the highlights of the Industrial Nuclear Technology Conference to be held in Chicago on May 15 and 16.

Five leaders in the field of nuclear energy will tell what developments can be expected in the next five years in the non-power industrial applications of atomic energy.

The conference--to be held at the Museum of Science and Industry--is being co-sponsored by Armour Research Foundation of Illinois Institute of Technology and Nucleonics magazine, with the cooperation of the Chicago Junior Association of Commerce and Industry.

The crystal ball gazers will climax technical sessions dealing with radiation sources, nuclear instrumentation, and chemical, biological, and industrial applications.

They are: Dr. Donald J. Hughes, senior physicist, and William A. Higinbotham, head, electronics division, Brookhaven National Laboratory; Dr. Joseph J. Katz, senior chemist, Argonne National Laboratory; Dr. John C. Bugher, director, medical education and public health, Rockefeller Foundation, and Dr. Leonard Reiffel, manager, physics research department, Armour Research Foundation.

Dr. Haldon A. Leedy, director of Armour Research Foundation, will open the two-day conference with a welcoming address at 9:30 a.m. May 15.

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The schedule for the five technical sessions, with names of speakers and their subjects, follows:

Radiation sources, 9:45 a.m., May 15--Dr. Davis R. Dewey, II, vice president, High Voltage Engineering, Corp., accelerators; Dr. Robert L. Loftness, project engineer, Atomics International, Inc., reactors; Dr. Otto A. Kuhl, fission products utilization project, Brookhaven laboratory, high level isotopic sources, and Dr. Irving A. Bernstein, head, chemistry department, Tracerlab, Inc., low level isotopic sources.

Chemical applications, 2 p.m., May 15--Dr. Arthur C. Wahl, Farr professor of radiochemistry, Washington University, radioisotopes in inorganic chemistry; Dr. Clair J. Collins, principal chemist, Oak Ridge National Laboratory, radioisotopes in organic chemistry; Dr. Samuel C. Lind, Union Carbide and Carbon Corp., radiation induced inorganic reactions, and Dr. Arthur M. Bueche, physical chemistry research, General Electric Co., radiation induced organic reactions.

Industrial applications, 8:45 a.m., May 16--Dr. Charles Rosenblum, head, radioactivity laboratory, Merck-Sharp and Dohme Research Laboratories, isotope dilution and tracer analysis; George W. Leddicotte, analytical chemistry division, Oak Ridge laboratory, activation analysis; George B. Foster, technical director, Industrial Nucleonics Corp., beta and gamma ray gaging; Don T. Green, Picker X-Ray Corp., inspection and radiography, and M. Eugene Merchant, assistant director of research, Cincinnati Milling Machine Co., wear studies employing tracers.

Biological applications, 9 a.m., May 16--Dr. Walter M. Urbain associate director of research, Swift and Co., sterilization and pasteurization; Dr. Sheldon W. Wolff, biological division, Oak Ridge laboratory, plant and animal development; Dr. Charles Rice, head, radiochemistry research department, Eli Lilly and Co., medical studies, and Dr. Gioacchino Failla, College of Physicians and Surgeons, Columbia University, radiation hygiene.

Instrumentation, 2:30 p.m., May 16--Dr. Casimen J. Borkowski, director, instrumentation and controls division, Oak Ridge laboratory, electronic detectors; Dr. James H. Schulman, head, dielectric branch, solid state division, U. S. Naval Research Laboratory, non-electric detectors; Hugh S. Stoddart, vice president, Atomic Instrument Co., laboratory instruments, and Dr. Francis R. Shonka, director of research, physical sciences laboratory, St. Procopius College.

Conference co-chairman are Dr. Reiffel and Jerome Luntz, editor, Nucleonics magazine.

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news about the

NATIONAL ELECTRONICS CONFERENCE

HOTEL SHERMAN OCTOBER 1-3, 1956 CHICAGO, ILLINOIS

for release: At Will

From: Victor J. Danilov
Illinois Institute of Technology
Chicago 16, CAlumet 5-9600

More than 100 technical papers and 235 commercial exhibits will be featured at the 12th annual National Electronics Conference this year.

A record attendance of 10,000 is expected at the three-day meeting--the nation's leading forum on electronic research, development, and application--scheduled for the Hotel Sherman in Chicago on Oct. 1-3.

Some 7,500 attended the technical sessions and viewed 186 exhibits at last year's conference.

Robert R. Jenness of Northwestern University has been elected president of the 1956 National Electronics Conference.

Other officers are: Karl E. Rollefson, Muter Co., executive vice president; John M. Gage, Purdue University, chairman of the board of directors; John S. Powers, Bell and Howell Co., executive secretary; Elmer H. Scheibe, University of Wisconsin, secretary; Howard H. Brauer, Bell and Howell Co., treasurer, and Charles W. McMullen, Northwestern University, assistant treasurer.

Arrangements committee chairman this year is Eric C. Book of Andrew Corp., with H. L. Messerschmidt of Western Electric Co., Edmund P. Kelly, Chicago Standard Transformer Co., and R. B. Schulz, Armour Research Foundation of Illinois Institute of Technology, heading sub-committees on information, luncheons, and technical sessions, respectively.

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Other committees and their chairmen are: awards, W. O. Swinyard, Hazeltine Research, Inc.; exhibits, G. J. Argall, De Vry Technical Institute; finance policy, J. D. Ryder, Michigan State University; procedures, G. T. Flesher, Illinois Tech; proceedings, G. W. Swenson, Jr., Michigan State University; program, L. T. De Vore, Stewart Warner Electronics; publicity, Victor J. Danilov, Illinois Tech and Armour Research Foundation, and registration, J. W. Powers, Bell and Howell Co.

The conference is sponsored each year by American Institute of Electrical Engineers, Institute of Radio Engineers, Illinois Institute of Technology, University of Illinois, and Northwestern University.

Participating also in the conference are Michigan State, Purdue, Michigan and Wisconsin universities, and Radio-Electronics-Television Manufacturers Association, and Society of Motion Picture and Television Engineers.

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Chicago--Many companies are failing to make maximum use of their structures because of a mistaken concept of the load-carrying capacity of their floors.

This is the opinion of R. W. Sauer, supervisor of the structural analysis section at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Sauer said at an interview that ARF engineers have found that many structures can be used for modern purposes or reconverted to fill better needs, without overloading, if proper use is made of the existing structure.

"We are not advocating overloading," Sauer declared. "What we are aiming for is safe loading and we base our theory on the simple idea that structures, as built today, have more strength than designers give them credit for."

Many companies are being handicapped in speeding the flow of materials in their warehouses because they aren't sure the floors will support heavy moving equipment, Sauer said, adding:

"Some firms are needlessly constructing new warehouses when they could safely reconvert old buildings."

Other structures--such as bridges, ore bridges, and the like--are required to support loads for which they were never designed or may be overstressed because of deterioration, the structural engineer stated.

-more-

4/6/56

The development of modern equipment, particularly the fork lift truck, has helped considerably in facilitating the movement of materials, But the advantage of using such equipment, Sauer pointed out, has in many cases been precluded by the low estimated floor load capacity of many existing warehouses, which prhibits the use of heavy moving equipment.

Sauer reported that studies conducted recently during a project in the warehouse of a Chicago meat packing firm will enable the company to save annually about seven times more than the cost of the project merely by using heavier lift trucks.

The purpose of this study, said Sauer, was to ascertain maximum safe allowable floor loads. The result was that engineers found the floors could safely support more weight than was previously considered advisable.

Sauer pointed out that such tests can be conducted for any structure that supports a weight.

For example, a study was made for a steel company which was afraid it was overloading its ore bridges. The findings revealed that two of the five bridges in use were considerably overstressed and ARF engineers suggested their use be limited until repairs could be made.

The engineer said that in these investigations engineers seek to determine three things:

1. Impact of a moving load on the structure.

2. The absorption of this impact by the structural frame.

3. The restraint or interaction of different segments of the structure with one another.

In their studies, Sauer pointed out, engineers conduct physical tests of the units under investigation in actual operating conditions. Deflection measurements are made with dial-type gages; strain measurements are made with electrical resistance gages.

During the investigation for the meat packing company, Sauer reported, engineers removed four joists from the floor and tested them in the Foundation's materials testing laboratory in order to thoroughly examine the materials in the structure.

"The designer's common assumption that one joist carries all of the concentrated load is questionable," Sauer commented.

One important use of these tests, he pointed out, could be the development of a structural design that takes cognizance of the cooperative interaction of the floor decking with the remainder of the structure, and the relative deflections of girder and joists.

"The floor system in warehouses can be thought of as being supported on springs, the springs being the joists and the girders," Sauer said.

An analysis of the load-carrying acting, made by considering the floor as an elastic foundation, would more accurately portray the true state of stress in such an elastic system, and the resulting design would more effectively utilize the structural materials, the structural specialist concluded.

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FOR RELEASE: At Will

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

A specialist in biocides and agricultural chemistry has been named resident director of Colombia's first laboratory center specifically for technological research.

The appointment of Dr. Hal Ellis has been announced by Paul B. W. Gollong, manager of the international department at Armour Research Foundation of Illinois Institute of Technology, Chicago.

The South American center--known as the Instituto de Investigaciones Tecnologicas--was established at Bogota by the Agricultural, Industrial, and Mining Credit Bank of Colombia, with the technical assistance of Armour Research Foundation.

Ellis will direct research operations of the center aimed at broadening the economic base of Colombia. He also will be responsible for training the staff in the fundamentals of practical technological research.

His appointment fills the vacancy created by the recent death of Dr. Paul J. Kolachov, who assisted with the establishment of the center in 1955.

Prior to joining the Foundation, Ellis served as a consultant to the chemical and pharmaceutical industries on research programs and market and product development. He also was technical director and general manager at Insecticides Mundiales at Caracas, Venezuela, for five years and entomologist in the research and development branch of the Office of the Quartermaster General, U. S. Army.

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Ellis appointment--add 1

Ellis was assistant professor of microbiology and public health at the Chicago Medical School for five years and also taught at the School of Applied Microscopy of the State Microscopical Society of Illinois.

A native of New York City, he received his B.S. degree in entomology and bacteriology from Cornell University in 1938, his M.S. degree in physiology from Harvard University in 1940, and his Ph.D. in microbiology and chemistry from the University of Minnesota in 1942.

Ellis resides at 5124 S. Greenwood Ave., Chicago.

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FOR RELEASE:

Memorandum to: PHOTO EDITORS

Subject: CANDIDATES FOR MILITARY BALL QUEEEN SPONSORED BY ROTC UNITS AT ILLINOIS INSTITUTE OF TECHNOLOGY

Time and place: 4 P.M. WEDNESDAY, APRIL 11, AT ALUMNI MEMORIAL HALL, DEARBORN AND 32ND STS.

Attractive candidates for the Military Ball Queen at Illinois Institute of Technology will be assembled in a military setting in Alumni Memorial Hall, Dearborn and 32nd Sts., at 4 p.m. Wednesday, April 11.

The girls, who have been nominated by the Air Force and Naval ROTC units at Illinois Tech, will be available for photographs. The queen will be announced at the Military Ball April 13 in the grand ballroom of the Palmer House.

The contestants are: Agnes Burke, 18, 4554 N. Winchester Ave.; Glenna Fisher, 18, 10208 S. Green St.; Judith Greitzer, 17, 2225 E. 82nd St.; Carolyn Pulaski, 16, 4564 S. Christiana Ave.; Joan Richmond, 18, 1946 W. Hood Ave., and Lareen Vickery, 18, Sandwich, Ill.

You are invited to send a photographer. I will be on hand to assist him.

--Sara Leonard
CAlumet 5-9600
Ext. 2213

4/9/56

vs from
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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Will Ike be re-elected? What's behind the Iron Curtain? On what does a news analyst base his interpretation of the news?

The answers to these and other questions will be discussed by Austin H. Kiplinger April 12 at a luncheon meeting of the Illinois Institute of Technology Alumni Association at the Art Institute, Chicago.

Kiplinger, whose talk will be titled, "What's Ahead?," will discuss local, national, and international news happenings as well as his ideas of what tomorrow's headlines will be.

Now a news commentator for the National Broadcasting Co., Kiplinger has been a reporter, writer, editor, and analyst of news and public affairs. He served as executive editor and general manager of the Kiplinger magazine, "Changing Times," a monthly publication on business and national affairs, and is the author of the best-seller, "Washington Is Like That."

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4/9/56

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Melvin T. Tracht, assistant treasurer of Illinois Institute of Technology, Chicago, has been elected president of the National Association of Educational Buyers.

Vice president of the association since 1953, Tracht will take over the presidency May 4. The association has as its members over 900 buyers and business officers of colleges and universities. Its headquarters are in Garden City, N. Y.

At Illinois Tech, Tracht is assistant treasurer in charge of services. His duties include responsibility for administrative services such as purchasing, stores, property, and post office, and such auxiliary enterprises as the Commons building, housing, food services, bookstore, office services, and leased enterprises.

Prior to his appointment as assistant treasurer, Tracht served 10 years as IIT purchasing agent. He lives at Ogden Dunes, Gary, Ind.

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Feeding baby need no longer be a time-consuming chore, thanks to a research engineer who also is, incidentally, a young father.

Dr. Staurt E. Faunce, heat-power specialist at Armour Research Foundation of Illinois Institute of Technology, Chicago, has developed a baby feeder that is designed to conserve much of mother's or father's time.

The device--essentially a self-feeder--consists of a tripod with a suspended bottle. It enables the baby to feed while mother and day enjoy their own meal or turn their attention to other matters.

Necessity being the mother, in this case the father, of invention, Faunce admittedly built the device out of necessity.

It all started when a new baby arrived at the home of the Faunces. Soon Faunce decided it was simply taking too much time to feed baby--roughly 45 minutes for each of the six sessions per day, he calculated.

Faunce put his scientific mind to work and came up with the self-feeder, now called "Faunce's Fancy Feeder." His wife approved the initial model and so did baby daughter, after a trial run.

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The feeder, about two feet high, can be adapted to bed, buggy, or table. The bottle is held in place by an elastic band. A bead chain suspended from the apex of the tripod permits adjustment. To make the adjustment, however, requires more strength than baby can exert so there is no danger of the infant pulling the bottle down.

A rubber segment near the top permits the device to be stretched to any width. It is constructed with an absence of sharp corners and can be moved without dismantling. And--this is most important--the nipple fits naturally into baby's mouth.

The device cannot be tipped, Faunce points out, since the mattress lies on arms that connect the three legs of the tripod.

Faunce said the feeder has been used successfully with babies as young as five days old.

"I find people with twins are especially interested in it," he commented.

Faunce has manufactured about 200 of the feeders in his garage and all correspondence from parents who have employed the device has been enthusiastically favorable.

Patent on the invention is pending and the research engineer is now engaged in problems of production and marketing.

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FOR RELEASE: At Will

From: Mildred Wyatt
CAlumet 5-9300
Ext. 394

Metallurgy has been added to the areas of European technological developments to be brought under observation by Armour Research Foundation of Illinois Institute of Technology, Chicago.

The Foundation recently established a service that will enable American industrial firms to keep abreast of latest European research and development.

The addition of metallurgy brings the number of categories to be observed to five, including mechanical, electrical, chemical engineering, and chemical producation.

Known as the European Technical Observation Group plan, the program is designed to meet the increasing need for up-to-date information about new developments overseas, according to Irving D. Canton, ARF international department project coordinator.

The service is being offered to a group of 20 non-competing firms. More than half of the required sponsors have been signed by the Foundation, with openings remaining in the metallurgy and the electrical and chemical engineering categories.

Under the ETOG plan, a European office will be set up by ARF this summer to funnel ideas and techniques of potential value in the American market to the participating companies.

Five engineers--each assigned prime responsibility for the four sponsoring companies most closely representing his field of engineering--will staff the European office.

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4/10/56

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FOR RELEASE: Advance

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

ADVANCE FOR RELEASE AFTER 10 A.M. (CST) THURSDAY, APRIL 12, 1956

Dallas, Tex.--Rare earth elements show great promise as catalysts in the production of high-octane gasoline and other petrochemicals, an international catalytic authority reported here today.

Dr. Vasili I. Komarewsky, professor of chemical engineering at Illinois Institute of Technology, Chicago, told the American Chemical Society national meeting of work being carried on at Illinois Tech under a Crane Co. research grant.

Komarewsky said that early results indicate that certain rare earth oxides can be used as catalysts in the dehydrogenation reactions that produce high-octane gasoline.

He said the studies show that rare earths may affect chemical reactions producing synthetic rubber and plastics. He also speculated that rare earth elements to be important catalysts in many other reactions.

Komarewsky said that the research has shown that the oxides of two of the 15 rare earths--neodymium and samarium--are predominately catalysts and that cyclohexane can be dehydrogenated to benzene in the presence of these oxides at a temperature of 545°C.

He also reported that the paraffin hydrocarbons, normal heptane, and octene-1, can be dehydrogenated and cyclized at a temperature of 525°C, in the presence of pure neodymium and samarium oxides.

The deposition of neodymium and samarium oxides on alumina substantially improves their dehydrogenating properties, he added.

Komarewsky said that little systematic work has been done on the rare earth elements because they seldom occur in nature in the pure state.

"Because of recent developments in the production of titanium and because of activity of the Atomic Energy Commission, the rare earth elements are being transformed into common, readily available material," he declared.

"These elements are essential by-products of atomic piles, as well as being closely associated with the minerals that are the main natural source of titanium."

Catalysts--often described as the modern industrial version of the alchemist's touchstone--are substances which alter the speed or the nature of a chemical reaction without being changed themselves

On the job, catalysts help industry by making desired chemical reactions occur more rapidly and produce higher yields of a purer product than they would without the catalyst. The petroleum refining industry is a large user of catalysts in its operations.

-vjd-

END ADVANCE FOR RELEASE AFTER 10 A.M. THURSDAY, APRIL 12, 1956 (CST)

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FOR RELEASE: AM's, Friday, April 13, 1956

Illinois Institute of Technology will increase faculty salaries an average of 10 per cent on a merit basis, effective the academic year beginning in September, 1956.

At the same time, the minimum salaries for the respective academic ranks also will be increased. The new minimum levels on a nine-month basis will be: full professors, $8,000; associate professors, $6,000; assistant professors, $5,000; and instructors, $4,000. There are no maximum levels.

President John T. Rettaliata announced the plan following its approval by the Institute's board of trustees.

He pointed out that educational administrators consider inadequate conpensation for good teachers to be one of the most serious hazards to the future quality of higher education.

"The highly trained, specialized personnel from which engineering faculty members must be drawn is in very short supply," Dr. Rettaliata stated.

"The shortage will become more acute over the next five years. Furthermore, the competition from business, from the other professions and from the federal government for highly educated personnel is such that the teaching needs of all institutions are suffering.

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4/11/56

"Also, it will be difficult to attract new young talent to an academic career if it appears to promise a lifetime of economic strain."

Part of the salary increase will be financed by the antipicated income to be earned from the endowment grant to be received from the Ford Foundation. The remainder will be accomplished by an increase in tuition of $30 per semester.

Effective next year, students enrolled for liberal studies will pay $680 per year, and those enrolled in the more expensive engineering courses will pay $750. The amounts include all fees; Illinois Tech makes no extra charges for student activities, health programs and laboratory use.

Even with the increase, the tuition will cover only about one-half the total institutional cost per student, Rettaliata pointed out.

The new tuition rates compare with the next-year figures for other technological institutions as follows: Massachusetts Institute of Technology, $1,100; Rensselaer, $1,050; Cornell, $1,000; Lehigh, $1,000; Case, $950; Clarkson, $850; Northwestern, $816; Carnegie, $800, and Worcester, $800.

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FOR RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Some 100 original works of leading American and European artists will be among those sold Friday, May 4, at the eighth annual Moholy-Nagy Memorial Scholarship action in Chicago.

The auction, sponsored by students at the Institute of Design of Illinois Institute of Technology, will be held at 8 p.m. at the Arts club, 109 E. Ontario St.

Proceeds of the auction will go to the Moholy-Nagy scholarship fund for Institute of Design students who would not be able to continue their studies without financial assistance, according to John Seres, student auction chairman.

The entire works--including oil and water color paintings, drawings, sculpture, lithographs, prints, woodcuts, etchings, and photographs--will be displayed at the Allan Frumkin Gallery, 152 E. Superior St., Monday through Thursday, April 30 to May 3.

The auction and scholarship fund were established in honor of the late Lazlo Moholy-Nagy, Hungarian designer-educator who developed the basic training plan at the famous Bauhaus school in Germany. After the Bauhaus was closed by the Nazis in 1933, Moholy-Nagy came to the United States and founded the Institute of Design in Chicago in 1937 as a New Bauhaus.

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4/11/56

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FOR RELEASE: Immediate

From: Frank Judd
CAlumet 5-9600
Ext. 547

Illinois Institute of Technology, Chicago, has named its newest classroom building in memory of S. R. Crown, founder and first president of Material Service Corporation, Dr. John T. Rettaliata, the Institute's president, announced today.

The building, named S. R. Crown Hall, houses Illinois Tech's Institute of Design and departments of architecture and city planning.

Crown was a young man of 25 years of age when he and two younger brothers founded Material Service with a borrowed capital of $10,000 in 1919. He died two years later but the company has become the world's largest producer and supplier of prime building materials.

The two brothers, Col. Henry Crown, now board chairman of the company and trustee of Illinois Tech; Irving Crown, now the company's executive vice president, and other members of the Crown family, collectively contributed $250,000 to erect the new building as a center for training future architects, city planners and industrial designers.

Dedication ceremonies for the new building will be held at 2:15 p.m. April 30, to which the public is being invited. A reception and tour of the building will be held following a short program.

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4/12/56

S. R. Crown Hall, designed by Ludwig Mies van der Rohe, world famous director of the Institute's architecture department, is a unique building, entirely enclosed with plate glass and with a concrete roof suspended from exposed girders.

The roof suspension makes possible the building's most unusual feature--a main floor column-free hall extending the length and breadth of the building. Drafting, administrative, library, and exhibit areas of the hall are defined by free-standing wood walls.

The one-story and English basement structure is 220 feet in length, 120 feet in depth, and contains more than 52,000 square feet of floor space.

The new campus building is the 19th structure to be completed under Illinois Tech's long-range $45,000,000 development program, which currently is approaching the half-way mark of completion, Rettaliata said.

"S. R. Crown Hall," he added, "will provide adequate facilities for coordinating the services of the three departments it houses, and enable them to gain greater stature individually through inter-use of their facilities and talents.

"It also will encourage the continuous development of architecture, city and regional planning, and the other industrial arts."

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FOR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Development of a method for analysis of tin in titanium alloys has brought special recognition to a scientist at Armour Research Foundation of Illinois Institute of Technology, Chicago.

William A. Dupraw, analytical research chemist, has been presented the ARF chemistry and chemical engineering department's award of scientific merit.

The award, established in 1953, is presented for "outstanding individual scientific accomplishment." The research cited must be original and either must be in use or capable of being placed in use without further modification or research.

Dupraw originally developed a method for analysis of tin in titanium alloys as part of co-operative work with the Metals Advisory Committee for Titanium of which he is a panel member.

The committee is composed of 85 scientists, representing industrial, government, and private research laboratories, who are working voluntarily on the development of analytical methods covering titanium and titanium alloys.

Dupraw has been engaged in analytical methods work on metals, particularily titanium and zirconium, since joining Armour Research Foundation in 1950. He also has participated in research on tantalum, niobium, uranium, and in stainless steel.

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The author of several papers on determination of chromium and tin in zirconium and the separation of tantalum from niobium, his work on determination of tin in titanium has been published in Analytical Chemistry.

Before joining the Foundation, Dupraw was associated with Cleveland Graphite Bronze Co., American Smelting and Refining Co., Cerrode Pasco Copper Corp. of Peru, S.A., Nichols Copper Co., and Braden Copper Co., of Chile, S.A.

He is a member of the American Chemical Society and American Society of Testing Materials.

A native of Clayburgh, N. Y., Dupraw attended Columbia University evenings from 1923 to 1931.

Married and the father of three children, he resides at 9720 S. Ridgeway Ave., Evergreen Park, Ill.

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FOR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Recent developments in structural research will be discussed in a lecture Wednesday, April 18, at Illinois Institute of Technology, Chicago.

E. J. Ruble, head of steel, concrete and timber structure research at the Association of American Railroads, will be the sixth speaker in the mechanics colloquium series sponsored by IIT and its affiliate, Armour Research Foundation of Illinois Institute of Technology.

Ruble will speak at 8 p.m. in the IIT Metallurgical and Chemical Engineering Building auditorium, 10 W. 33rd St.

Part of his address will center around the development of high strength bolts and the strength of alloy steel structural joints when fastened with bolts. He also will discuss carbon steel rivets and high strength rivets, specification for cleaning and painting steel and research on various types of paints.

Ruble is chairman of the Rivet and Bolt Council, vice president of the Steel Structures Painting Council, and a member of the executive committee of several other councils.

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4/13/56

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FOR RELEASE: Monday, April 18, 1956

From: Frank Judd
CAlumet 5-9600
Ext. 547

In recognition of the importance of research to the Chicago area, Mayor Richard J. Daley has designated the week of April 15-21 as Industrial Research Week in Chicago.

In his proclamation, Mayor Daley cited the importance of industrial research in creating new products, increasing payrolls, and expanding industry in the area.

The proclamation further noted that the Chicago area has pioneered in industrial research and development, and today has more laboratories and researchers than any other similar area in the world.

Highlight of the week will be the first annual National Industrial Research Conference to be held April 18-19 by Armour Research Foundation of Illinois Institute of Technology at the Hotel Sherman.

The conference will highlight the Foundation's 20th anniversar observance and will focus attention on three aspects of industrial research--research budgets, management decisions, and research results.

The conference is expected to bring together more than 500 industrial executives to hear some of the nation's foremost leaders in the field of industrial research and development.

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One of the principal speakers will be Dr. Clifford C. Furnas, Assistant Secretary of Defense for research and development, who will discuss "The Defense Research Program and Our Economic Future" at the April 19 luncheon.

Other speakers will include Mervin J. Kelly, president of Bell Telephone Laboratories; Herbert P. Buetow, president of Minnesota Mining and Manufacturing Company, and Winthrop H. Smith, managing partner of Merrill Lynch, Pierce, Fenner and Beane.

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FOR RELEASE:
Advance

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

ADVANCE FOR RELEASE AFTER 12:30 P.M. (CST) WEDNESDAY, APRIL 18, 1956

Chicago--The nation's critical shortage of technical manpower "may be a blessing in disguise."

"It could be, if it forces industry, the government, and the independent research organizations to take a critical look at the efficiency of their research operations."

This opinion was expressed here today by Dr. Haldon A. Leedy, director of Armour Research Foundation of Illinois Institute of Technology, Chicago.

Speaking before some 500 industrial executives attending the first annual National Industrial Research Conference at the Hotel Sherman, Leedy said:

"There is no question that the shortage of technical manpower is this country's greatest obstacle to increased research output in the immediate future."

"However," he pointed out, "in spite of this current personnel shortage, I think we can continue to increase our research output by increasing the efficiency of our research programs."

"Actually, we have no choice if the United States is to maintain--and strengthen--its position as a world power," he declared.

Leedy recommended the following operating methods and techniques which would contribute to an efficient research operation:

--Acquisition and retention of the best creative scientific personnel available.

--A well-planned program for the training and professional development of the entire research staff.

--Selection of the best combination of staff talent to work on each project.

--Provision of adequate tools for the scientist and engineer in the form of good equipment in order to obtain efficient operation.

--Availability to the scientist and engineer of various types of non-technical services so that he can devote his full time to utilizing his own specialized talent.

--The researcher must be allowed the utmost freedom in the area of scientific thought, but he also must adhere to certain general policies the same as any other member of the organization.

--The researcher must work in comfortable, well-maintained, but not necessarily expensive laboratories.

The research methods cited by Leedy are used at the independent research organizations, he explained.

"To remain in business and to continue to grow, the independent research organizations must perform research as efficiently as their competitive sister organizations, and must perform as well or better than industry's own research laboratories," Leedy said.

Commenting on the 50 per cent increase in productivity during the last 20 years, Leedy said that as a result, "the United States holds a wide margin of leadership in productivity--the key to a better way of life."

To explain why this great increase in productivity has taken place and why the standard of living has been rising so fast, he pointed to the American system of free enterprise and the recent upsurge in the art of good business management as contributing factors.

"But the outstanding reason for our economic growth, and the vital driving force behind our expanding economy," he said, "is the unprecedented rise of organized research and development."

During the last 20 years, research and development grew from $175 million to $5 billion--a growth of over 1,200 per cent when the inflation factor is removed.

"Over seven times as many dollars have been spent for research and development since 1936 as in the entire history of the United States prior to that year," commented Leedy.

One of the best indications of the increased emphasis on research and development in this country, it was pointed out, is the rise of independent, not-for-profit research institutes such as Armour Research Foundation.

Only two such organizations existed in 1936, he said, performing a combined research volume of $1,100,000. Today, there are 48 such organizations with a total annual volume of about $100 million.

"Increased research effort has enabled companies to avoid obsolescence, to outdistance competition, and, most important, to make greater profits," Leedy said.

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END ADVANCE FOR RELEASE AFTER 12:30 P.M. WEDNESDAY, APRIL 18, 1956

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FOR RELEASE:
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From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

ADVANCE FOR RELEASE AFTER 10 A.M. (CST) WEDNESDAY, APRIL 18, 1956

Chicago--A complete revolution in telephone technology can be expected in the next few decades.

This new technology will provide major economies in telephone service, it was predicted here today by Mervin J. Kelly, president of the Bell Telephone Laboratories.

"The new technology also will provide new services that will enrich our social lives and contribute to increased effectiveness of the nation's business and industry," he declared.

Kelly made this prediction at the National Industrial Research Conference which opened today at the Hotel Sherman.

The two-day discussion of management-level research and development problems is being sponsored by Armour Research Foundation of Illinois Institute of Technology.

"Through solid state electronics made possible by profitable research, a most challenging and rewarding future lies ahead for telephone technology," Kelly revealed.

He pointed out that transmission, interconnection, and signalling all will share in the benefit of the new technology.

"The new research program has been directed at the use of matter in the solid state for electronic implementation of telephone service," he explained.

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Semiconductors, dielectric, ferroelectric, and ferromagnetic materials have been subjected to the new research attack.

"Out of each of these areas have come new electronic components that will play their part in providing completely new instrumentation for telephony," said Kelly.

He added that the semiconductor research has attracted most attention.

"From it is coming a completely new family of active electronic devices that perform almost all the functions of the hot cathode vacuum tube," he pointed out, "but do them more reliably and economically."

The new semiconductor, dielectric, ferroelectric, and ferromagnetic components will bring electronics into interconnection, it was explained, forcing electromechanical systems into obsolescence.

A solid state electronic interconnection or switching center will have one-fourth to one-fifth the size of present electromechanical systems and require a fraction of the power.

"First cost will be greatly reduced," Kelly said. "Operation, maintenance, and power costs will be reduced, and new interconnection services will be possible."

Electronics--which has made small contribution to local transmission service--will "take over" in local service, he predicted.

Solid state electronics also will make new advances possible, even in transmission over distances greater than 20 miles, where the hot cathode vacuum tube has made such large contributions.

The impact of the new solid state electronic systems will be through evolution rather than through revolution, Kelly cautioned.

A $15 billion long lived (telephone) plant will not disappear overnight," he said, adding, "its retirement, however, will be hastened and all growth plant will be instrumented by solid state electronics."

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END ADVANCE FOR RELEASE AFTER 10 A.M. (CST) WEDNESDAY, APRIL 18, 1956

NEWS FROM
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FOR RELEASE: Immediate

Five leading companies associated with the electric power industry have united to establish a professorial chair in electric power systems engineering at Illinois Institute of Technology, Chicago, it has been announced by Dr. John T. Rettaliata, president of the Institute.

The five sponsoring companies are Allis-Chalmers Manufacturing Company, American Gas and Electric Company, Commonwealth Edison Company, Illinois Power Company, and the Westinghouse Electric Corporation.

In making the announcement, Dr. Rettaliata stated:

"It is the earnest belief of the sponsoring companies and Illinois Institute of Technology that if rapidly expanding demands of the nation for electricity are properly to be met in the future it will be necessary to bring more bright and capable students into the electric power field.

"We need to do more to awaken students to the dynamic character of the electric power industry and to its challenges and opportunities," he asserted.

"This can best be done in our engineering schools by teachers who understand and believe in the important role that engineers entering this field can play in its development; who believe the field affords unique opportunities for capable students; and who can stimulate and inspire such students.

"The new chair, which is to be filled by such a teacher, represents an important step in that direction, Rettaliata said.

Dr. William Abbett Lewis, Jr., formerly dean of the graduate school at Illinois Tech, has accepted appointement to the chair, which will be made an integral part of the program of the Institute's department of electrical engineering.

Dr. Lewis became associated with the Institute in 1944 as a research professor of electrical engineering and since 1946 has been its graduate division dean.

Educated at the California Institute of Technology, which awarded him its doctorate degree in 1929, he was a central station engineer for Westinghouse Electric Corporation until 1929 when he was appointed director of the department of electrical engineering at Cornell University.

Dr. Lewis is a fellow of the American Institute of Electrical Engineers, senior member of the Institute of Radio Engineers, and a member of Western Society of Engineers, American Association for the Advancement of Science, American Society for Engineering Education, Tau Beta Pi, Sigma Xi, Eta Kappa Nu, Phi Dappa Phi, and Ki Kappa Delta.

He is the author of many technical papers and has served the American Institute of Electrical Engineers on numerous national committees.

He also has served the American Power Conference as chairman of the electrical program committee, as the official representative of Illinois Institute of Technology, and as a member of the industry committee.

Dr. Lewis lives with his family at 904 S. Elmhurst Ave., Mount Prospect, Ill.

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FOR RELEASE: Advance

From: Frank Judd
CAlumet 5-9600
Ext. 547

ADVANCE FOR RELEASE AFTER 11 A.M. (CST) THURSDAY, APRIL 19, 1956

Chicago--Research and product development can be an effective means of maintaining long-range dividend stability and stock investment values.

This opinion was expressed today by Roland P. Soule, vice president of Irving Trust Company, New York, at the first National Industrial Research Conference at the Hotel Sherman here.

Soule, who heads the bank's research and planning division, said the financial advantages of research, which are reflected in the market action of a stock must be measured by the "quality" of earnings as well as their "magnitude."

He told the conference, which is sponsored by Armour Research Foundation of Illinois Institute of Technology, that the "right kind" of diversification can be the "most important single tool" for improving stability of earnings, which he credited with being primarily responsible for a high investment rating.

Likening the life cycle of a manufactured product to that of a human, Soule pointed out that the product, so far as earnings are concerned, has a birth, a rise to a level of maximum output, and an ultimate decline.

A principal objective of research, he explained, is to extend the life cycle of the products to defer or retard the ultimate decline in the profits they earn.

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"The answer, of course," he said, "is the same for manufactured products as it is for human beings.

"Every industrial company comprises a family of products. This family cannot continue to exist without the periodic addition of new members any more than a human family can hope for survival without the periodic addition of new children.

"In the long run, therefore, the most effective defense against a decline in profits is aggressive research or some other type of positive action designed to add new products to the line.

"And each new product should, of course, promise a rate of return higher than the cost to the stockholders of the capital used to finance its manufacture."

Soule said many managements have used research too sparingly, but warned against too lavish or unwise research programs.

He explained that the risk lies in huge new investments made in machinery and equipment to give economic life to the facts learned in the laboratory, which emphasizes the necessity for screening of new projects and careful consideration of financing methods and the cost to the stockholders.

Soule expressed some "misgivings" about the nation's accelerating rate of research expenditures because, he said, the "optimun rate of growth can be no faster than human minds, all down the line, can find successful solutions to these multiplying problems.

"On one hand," he said, we see company after company committing itself to a goal of ever-increasing corporate size. But, on the other hand, 'we also see an increasing difficulty in finding the necessary manpower.

"Thus, we are so short today of technologists of all descriptions that we are glad to hire almost any engineer or chemist we can find, call him a researcher, and put him to work in the laboratory.

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END ADVANCE FOR RELEASE AFTER 11 A.M. (CST) THURSDAY, APRIL 19, 1956

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FOR RELEASE: Advance

From: Walter Yurk
CAlumet 5-9600
Ext. 318

ADVANCE FOR RELEASE AFTER 7 P.M. (CST) WEDNESDAY, APRIL 18, 1956

Bolts have been found to be superior to rivets in some railroad structures.

The fatigue strength of alloy steels is somewhat higher than that of carbon steel plates.

Synthetic paints are far superior to the red lead paints on surfaces subjected to brine drippings.

These were some of the observations made by E. J. Ruble at the sixth lecture in the mechanics colloquium series at Illinois Institute of Technology, Chicago, on April 18.

Ruble, head of steel, concrete and timber structure research at the Association of American Railroads, gave a report on recent developments in structural research at the colloquium sponsored by IIT and its affiliate, Armour Research Foundation of Illinois Institute of Technology.

Ruble said it previously had been the contention of railroad bridge engineers that bolts capable of developing a high clamping action would not stay tight when subjected to dynamic loads. This was based, he pointed out, on the fact that in many locations on railroad structures it had been impossible to keep rivets tight.

To test the capabilities of bolts, the AAR research staff arranged with the railroads to install about 2,000 high strength bolts in 15 different bridges.

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Some of these bolts, Ruble said, were installed in locations where considerable trouble had been encountered in keeping rivets tight, such as lateral bracings, diaphragms between beams, stringer connections, floorbeam connections, and floorbeam hangers.

"The bolts have now stayed tight about eight years and have proven satisfactory," he pointed out.

Ruble said that tests conducted on plain plates, or even plates with a hole, have indicated that the fatigue strength of the alloy steels is somewhat higher than that of carbon steel plates, "although the increase in fatigue strength does not increase in proportion to the increase in yield strength of the alloy steels."

"The tests on the various alloy steels when fabricated into joints and fastened with rivets have indicated that there is little difference in the fatigue strengths," Ruble declared.

"However, if the joints were fastened with high strength bolts, the fatigue strength of the alloy steels is considerably higher than that of carbon steel joints."

Other investigations conducted by the Research Council on Riveted and Bolted Structural Joints have shown, Ruble stated, that the fatigue strength of structural joints fastened with cold driven rivets is considerably lower than those fastened with hot driven rivets.

Reporting on work done with different types of paints, Ruble pointed out that losses due to corrosion from brine drippings on railroad tracks and bridges amount to about $70,000,000 per year.

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It was common practice in the past, he said, to paint structures with paint consisting of red lead and oil. Experience has shown, however, that on surfaces subjected to brine drippings from refrigerator cars it has been necessary to clean and paint these surfaces about every year.

In their tests, researchers applied various types of paints to the steel, including the synthetic resin paints such as the vinyl, phenolic, chlorinated rubbers, neoprene and epoxy resins.

"These paints have now been on the structure for about two years," Ruble declared, "and there is definite evidence that the synthetic paints are far superior to the red lead paints on surfaces subjected to brine drippings."

Tests also were conducted, Ruble reported, to determine the merits of the chemical cleaning of steel as compared with hand cleaning.

He said that various paints were used over different types of surfaces and it was found that a paint consisting of 75 per cent red lead with 25 per cent iron oxide in the pigment and a factor consisting of two parts linseed oil and one part alkyd solid were superior over any of the other paints over a period of about four years.

"It was determined that no paint will perform satisfactorily over rusted surfaces," Ruble asserted.

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END ADVANCE FOR RELEASE AFTER 7 P.M. (CST) WEDNESDAY, APRIL 18, 1956

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FOR RELEASE: Advance

From: Frank Judd
CAlumet 5-9600
Ext. 547

ADVANCE FOR RELEASE AFTER 10 A.M. (CST) THURSDAY, APRIL 19, 1956

Chicago--A change in corporate income tax laws was recommended here today to permit companies to deduct current earnings set aside for future research and development, thereby enabling firms to continue these activities in time of reduced income.

The suggestion was advanced by Winthrop H. Smith, managing partner of Merrill Lynch, Pierce, Fenner and Beane at the first National Industrial Research Conference, sponsored by Armour Research Foundation of Illinois Institute of Technology, at the Hotel Sherman.

Pointing out that shortage of capital could be a limiting factor in research activities, the brokerage firm head urged research reserves as being of long-term benefit to the national economy.

He pointed out that the cost of research can be high, but that "because research pays off, industry is only too willing to invest in it when it has the money."

He added, however, that "when times are bad, there would probably be many firms which could not afford to do so.

"For this reason, I suggest that over the long run, it might be beneficial to industry, the government and the economy as a whole, if industry would be allowed to set aside reserves for future research and development so that at all times--good and bad--industry could continue its research activities."

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Another limiting factor affecting future research will be an acute shortage of scientific minds, "particularly really creative minds," Smith said.

He urged that industry to give "serious consideration to this problem."

Smith described industrial research as "most important" to the investor, who, he explained, "looks for it to develop new markets for old products, new products for old markets, improved products for all markets, and better techniques to help reduce costs."

He said that the investor who looks for growing earning power, higher dividends, and moderate appreciation of his investment is more likely to place value on the efforts the companies to perpetuate themselves, and research they undertake to generate future growth.

Smith described investment house research facilities available to the investor, and listed the following factors taken into consideration by these firms:

1. Whether the corporation has traditionally been a leader in research.

2. Whether a company's current research expenditures compare favorably with other corporations in the industry.

3. Whether a firm's research is original.

4. Whether the products or processes under development will offer a high profit margin or find a mass market.

5. Whether research is to develop new products or improve old ones and in a field in which the company has production experience and marketing facilities.

6. Whether the financial position of the corporation is strong enough and its earnings power stable enough to enable it to pursue its program.

Smith said a study of industry research activities conducted by his firm showed 178 reporting companies last year spent $1,032 billion for this purpose. The total represented 1.9 per cent of the companies' sales.

Eighty per cent of the expenditures were financed by the companies and 20 per cent by the government, he added.

He said the reporting companies represented only 5 per cent of all corporations which have research laboratories, and their expenditures 20 per cent of the national total.

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END ADVANCE FOR RELEASE AFTER 10 A.M. (CST) THURSDAY, APRIL 19, 1956

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FOR RELEASE: Advance

From: Sara Leonard
CAlumet 5-9300
Ext. 2213

ADVANCE FOR RELEASE AFTER 6 P.M. (CST) WEDNESDAY, APRIL 18, 1956

Chicago--The government should encourage pure scientific research by industry through tax exemptions.

This proposal was made here today by Elisha Gray II, president of the Whirlpool - Seeger Corp., at the National Industrial Research Conference, sponsored by Armour Research Foundation of Illinois Institute of Technology.

"Put an incentive on pure research by borrowing a tool which the government has used successfuly to affect social and business changes--taxiation," Gray urged.

He defined "pure" research as, "that part of scientific exploration that is seeking to push back the perimeter of man's knowledge without having as a motivating factor any particular or known commercial application."

"As the government gives special tax consideration to the development of natural resources, I propose that it likewise give special consideration to the development of scientific resources," Gray said. "Money spent for pure research should be deductible in whole or substantial part from the federal income tax."

Decrying the inadequacy of industry's contribution to basic research, Gray said that basic research is important because it is the fountainhead for applied research.

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"The paucity of industry support for basic research could be our Achilles' heel," he cautioned.

Gray said industry should support basic research for three reasons:

1. Basic research provides the seed of scientific principles on which new, applied engineering must feed.

2. Basic research will be essential to the development of substitutes for our natural resources which are being depleted rapidly.

3. The United States must keep pace in basic research for purposes of oontinued defense, both in the cold war and for any possible hot war.

As examples of basic research that led to practical applications of which the scientist never dreamed, Gray cited two occasions in which industry supported pure research.

He mentioned the experiments with atomic hydrogen which led to the modern incandescent lamp, and the research on electrical properties of semi-conductors which led to the transistor.

"These are but a few of the spectacular achievements which were the culmination of scientific research on the part of industry," Gray said.

But, according to Gray, private industry has neither created the proper environment for basic research, nor has it contributed to the growth and development of pure research.

"The reasons for private industry's neglect of basic research are clear," Gray said. "Pure research cannot be predicted as a profit-making endeavor, and therefore it does not contain elements which allow the ordinary type of management decision."

"As an interesting exercise in futility," he suggested, "picture yourself as a business executive trying to justify to a board of directors a request for an appropriation on which there is no reasonable expectation of return."

He said this was particularly difficult because the competing demand for new capital equipment dollars is already too heavy.

Reiterating the importance of science as a resource, Gray reinforced his request for tax considerations for pure research.

"In a technological age science is our primary resource. Therefore, it seems both unrealistic and uneconomic not to place the tax incentive umbrella over science as well as mineral resources.

In discussing the implementation of his proposal for tax-exempt pure research, Gray said, "Because the public has vested interest in the results of research done with tax sheltered money, such work would have to be disclosed for use by all."

"Thus, the national interest would be served by the general contributions that would be made through pure research," he stated.

In pursuing fundamental research, Gray suggested that industries follow one of two courses: isolate a pure research effort geographically as well as in the line of management; or, if this is not economically of physically practical for an industry, such basic research should be entrusted to non-profit research organizations and universities.

Gray cited problems that have been experienced by companies that have pursued basic research. "It has been difficult to create the state of mind which is most conducive to the pure research scientist and engineer in a commercial profit-making business atmosphere.

"The logic of profit permeates all management thinking. We constantly have our eye peeled on costs, customer acceptance, and all the other aspects which bear upon making a profit. To expose a pure research mind to that climate inevitably adds restrictions and limitations to his thinking."

Gray said that non-profit research organizations and universities have the facilities and qualified personnel for almost any research effort desired. "In such an academic atmosphere research can thrive and produce its finest accomplishments." he said.

-vjd-

END ADVANCE FOR RELEASE AFTER 6 P.M. (CST) WEDNESDAY, APRIL 18, 1956

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35 WEST 33RD STREET TECHNOLOGY CENTER CHICAGO 16, ILLINOIS

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

The modern supermarket has gone "collegiate".

A self-service supermarket will be opened Thursday, April 19, in the Commons building at Illinois Institute of Technology, Chicago.

The new market, designed by the Independent Grocers Alliance and operated by IGA member Arthur Sluis, will be opened officially with a ribbon cutting ceremony at 12:15 p.m.

Officiating at the ceremonies will be Donald Grimes, president of the IGA, and Raymond J. Spaeth, vice president and treasurer of Illinois Institute of Technology. An informal luncheon will follow the ceremony.

The Commons serves as a combined shopping center and student commons for IIT students, faculty, and staff and their families who live at Technology Center. Designed by Ludwig Mies van der Rohe, head of IIT's architecture department and designer of its modern campus, the building is of steel, glass, and buff brick construction.

The structure houses a modern cafeteria which provides dining facilities for Illinois Tech dormitory students. The Commons contains a complete shopping center--drugstore and snack bar, grocery store, book store, barbershop, post office, currency exchange, doctor's office, and post office.

Lounges are in the lobby and basement. Recreational facilities, including bowling alleys, also are in the basement.

4/18/56 -vjd-

Immediate

From: [illegible]
[illegible]
Ext. [illegible]

The [illegible]

A [illegible] will be opened Thursday, April [illegible],

in the Commons building at Illinois Institute of Technology,

[illegible].

The new building, [illegible] by the [illegible]

and operated by [illegible], will be opened officially

with a ribbon cutting ceremony at [illegible].

Officiating at the ceremonies will be [illegible],

president of the [illegible], and Raymond [illegible], vice president and

treasurer of Illinois Institute of Technology. An informal

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The Commons, serving as a combined shopping center and student

commons for IIT students, faculty, staff and their families

who live at Technology Center, [illegible]

head of IIT's architecture department and designer of its modern

campus, the building is of steel, glass, and buff brick construction.

The structure [illegible]

facilities [illegible]. The Commons

contains a complete shopping center [illegible],

grocery store, [illegible],

[illegible], doctor's offices, and post office.

[illegible]

[illegible].

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[illegible]

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Homes of the future may be more colorful--both inside and out--as the result of the development of a new all-clay construction block.

A lightweight, ceramic block--equal in size to the conventional concrete block--has been developed at Armour Research Foundation of Illinois Institute of Technology, Chicago, according to Dr. E.H. Schulz, assistant director.

Besides being more pleasing to the eye than the drab concrete block, the ceramic product has greater stability, Schulz pointed out.

"The ceramic block also is less likely to expand and contract with changes in moisture, as the concrete block tends to do," he explained.

The ceramic block may possibly be produced in a variety of colors, ranging from buff to dark maroon. As with any ceramic material, the color is uniform throughout. "One of the most important features of the new block is that it can be given a glazed surface, which gives it additional aesthetic appeal," Schulz said.

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The basic difference in the two blocks, according to Al Litvin, supervisor of masonry materials, is that the binding element in the ceramic product is clay, instead of cement, and it is fired like other ceramic items.

The new block was displayed at the National Industrial Research Conference at the Sherman Hotel on April 18 and 19.

Expanded shale aggregate and clay found in the Chicago area were utilized in the experimental blocks produced in the Foundation's laboratories.

The ceramic block is made in much the same way as the concrete product, Litvin explained. There is one essential difference, however--after the concrete block has been molded it goes through a moist curing process; after the ceramic block has been formed it is fired in a furnace.

It is believed, Litvin said, that the accoustical and heat insulation properties will be favorable. The ceramic block is able to "breathe" well, permitting passage of vapors without damage, it was pointed out.

The method of glazing the ceramic block is a fairly simple operation, merely constituting another step in the production. After the block has been molded the glazing application is sprayed on the surface of the product. The glaze fuses to the block in the firing process.

The colors available, plus the textured surface of the block, give it an aesthetic appeal for both interior and exterior walls of residential and commercial structures.

Litvin believes a manufacturing firm would be able to produce the new lightweight block at a cost comparable to the expense of producing a concrete block.

The new product certainly will appeal to construction workmen because of its lightweight feature. The concrete block weighs approximately 28 pounds; the ceramic product is about 22 pounds.

Work on the new product got under way more than two years ago when the Arabian American Oil Company sought the development of a block that could be produced with materials available in Saudi Arabia.

Aggregate shale and clay found in Saudi Arabia were shipped to the ARF Ceramics and Minerals Department and with these materials researchers developed a ceramic block which could replace the concrete block in construction projects.

But the political winds in Saudi Arabia shifted and Arabian American never found the need to utilize the product developed for it by the Foundation.

Ceramics specialists then began to work with raw materials found in the Chicago area. The came up with an attractive ceramic block that is believed to be just as strong as the heavier concrete product.

It was pointed out that the product could be produced with clays found in other localities. It also is possible that these clays would give the block a different color than the natural red that results from the clay that is found in the Chicago region.

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OR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago-The second national meeting of industrial design educators will be held Friday, April 20, at the Illinois Institute of Technology's Institute of Design.

Participants will represent all of the approximately 25 institutions throughout the country which offer degree courses in industrial design.

Jay Doblin, director of the Institute of Design and chairman of the meeting, said the conference is part of a continuing program of association among the country's industrial design educators.

"Purpose of the meeting is the discussion of our common problems as industrial design educators, such as curricula, teaching practices, and better relations with industry and professional designers," Doblin said.

In additon to professional designers representing the American Society of Industrial Designers and the Industrial Designers Institute, representatives are expected to attend from these institutions: Georgia Institute of Technology, University of Illinois, Carnegie Institute of Technology, Rhode Island School of Design, Philadelphia Museum School of Art, Syracuse University, University of Bridgeport, University of Michigan, and University of Kansas.

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FOR RELEASE: Immediate

From: Victor J. Danilov
CAlumet 5-9600
Ext. 692

Chicago--The Soviet Union's shift of emphasis to economic and social collaboration "is the most hopeful omen in recent years," Dr. Clifford C. Furnas, Assistant Secretary of Defense, stated here April 19.

"It shows that the defensive strength established by the free world is an effective deterrent force and that the Soviet policies have not been successful," he declared.

Dr. Furnas, who is Assistant Secretary of Defense for Research and Development, spoke at the concluding luncheon of the two-day National Industrial Research Conference, sponsored by Armour Research Foundation of Illinois Institute of Technology.

"While the Soviets are as determined as ever to dominate the world," he said, "they now appear to be putting increasing emphasis on peaceful methods."

He asserted that Russia now desires to "make friends and influence people" through the media of industry and technology.

"This is old and familiar ground to us. We should welcome the opportunity to show that the American way is better in the arts of peace," Dr. Furnas added.

However, he added, "we must keep our military strength always at a level which will deter any aggression. We cannot be complacent."

He pointed out that the United States "will never stay ahead in this contest of technology unless our research and development program stays in the forefront."

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Soviet leaders have long regarded science and technology as the key to the attainment of their goals and they have developed programs accordingly, he stated.

"Since the revolution, the Soviet higher education has increased ten-fold from 91 institutions with 112,000 students in 1918 to about 900 institutions with some 1,100,000 full-time students and 400,000 correspondence course students at the present time.

"By comparison, the United States, during this same period, has doubled its number of institutions and increased the students five-fold to about 2,300,000.

"But the proportion of graduates in science and engineering is much greater in the Soviet Union and they are now graduating more scientists and engineers than we are. If present trends continue in both countries, the total Soviet resouces in scientific and technical manpower may exceed those of the United States in the near future," Dr. Furnas said.

He explained that scientific knowledge and technology knows no geographical boundaries.

"Any nation that develops first-rate scientists and is willing to devote an adequate proportion of its resources to research and development may acquire it. Modern Russia had demonstrated that this is true," Furnas said.

There are indications that the quality of the Soviet Union's trained personnel in most scientific fields approaches that of the United States, according to the Assistant Secretary of Defense.

"Although ideological interference seem to have caused a lag of some of the biological sciences behind the physical sciences, their progress in military-related fields has been rapid.

"The quality of their jet fighters in Korea; the jet bombers they have paraded in their May Day air shows; the transport version recently flown to London are eloquent testimony in the aircraft field," he pointed out.

Furnas said it is not possible to answer "the inevitable question of who's ahead," largely because of the Iron Curtain.

"One aspect of the 'who's ahead' question that should be remembered is the fallacy of the numbers racket," he declared.

He doubted whether the United States alone should match potential enemies "plane for plane, radar for radar, and so on through the various categories of weapons, regardless of the impact on the total security effort or the civilian economy."

"This can easily lead into error," he said. "The Soviet force requirements are not the same as our own. They are affected by their geographical location, their internal security requirements, and the like.

"A comparison of numbers ignores differences in requirements between the two countries, and it ignores differences in capabilities. It ignores the collective security of the United States and our Allies of the free world, NATO, the advanced bases, and our combined strength.

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FOR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Chicago--It may take from five to seven years before a research project in industry begins to pay off.

This observation was expressed here April 19 by Dr. W. E. Hanford, vice president of research and development of the M. W. Kellogg Company, New York, at the National Industrial Research Conference at the Hotel Sherman.

"Even in this time-table I am starting with the first successful laboratory experiment and not with the beginning of the project," he told the conference, sponsored by Armour Research Foundation of Illinois Institute of Technology.

It may take anywhere from one week to several years before the researcher is able to complete his first successful experiment, Hanford asserted.

"Before research is commercially successful many people have contributed to the effort," he pointed out. "Is it any wonder that in the years from the conception of the idea to reality, the researcher and his contribution are often forgotten in the enthusiasm to bring home a winner."

How important is research to a company? Hanford suggested that it was as vital to the health of an industry as blood is to the human metabolism.

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"Bankers, financiers, housewives, and workers in general are convinced that those industries which are carrying out industrial research are the solid ones and the ones in which they should invest their hard-earned savings," he said.

"This is because it has been proven that as a class the researcher has the profit motive of the investor at heart and in the long run he will make profit for those who are willing to back him."

The decision by management to proceed with development work and final capitalization of a research effort requires a great deal of foresight, fortitude, and courage, Hanford declared, adding:

"The easiest thing for management to do is to bank the profits, expand what they have, and keep things at status quo."

But in the long run, Hanford pointed out, this would be an unprofitable program for any industrial firm to follow.

"Just as business is competitive, so is research, and if I select my objective wrong, one of my competitors may beat me to the solution with the same product or even a better one," Hanford contended.

"No one realizes better than the industrial researcher the competitiveness of modern business for on our side of the business there are no part scores or second prizes. It is a 'winner-take-all' game," he said.

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FOR RELEASE: At Will

From: Mildred Wyatt
CAlumet 5-9600
Ext. 394

Representatives from the Industrial College of the Armed Forces will observe operations at Armour Research Foundation of Illinois Institute of Technology, Chicago, on Tuesday, April 24.

Twelve military students and three faculty members will visit the Foundation's facilities as part of a course in economic mobilization.

Scheduled to arrive at 8:30 a.m. Tuesday, the group will tour ARF's nuclear reactor and observe research operations in the mechanical engineering, propulsion and fluid mechanics, and metals research departments.

Dr. Halcon A. Leedy, ARF director, will discuss Foundation activities during a brief orientation session.

The Industrial College of the Armed Forces is the only military educational institutions which devotes its major attention to the political, psychological, and economic interrelationships between military power and the civilian economy.

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4/20/56

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OR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

The character and form of education now being offered through educational television programs will be examined at a conference sponsored by Illinois Institute of Technology April 28 in Chicago.

The conference is expected to attract more than 150 representatives from colleges and universities in the Chicago area.

"We also want to assess the impact of educational television on the public, the schools, and the teachers," explained Mentor L. Williams, Illinois Tech professor and conference chairman.

Among the topics to be discussed at the all day meeting are general education television programs, disciplined and intellectually oriented educational programs, the evaluation and administration of college credit courses on television, and the effect of television credit courses on teaching, teachers, and students.

All sessions will be held in Illinois Tech's Metallurgical and Chemical Engineering Building, 10 W. 33rd St. The conference will be in session from 9:30 a.m. to 4:30 p.m.

The tentative program follows:

9:30 a.m.--Report from James Robertson, WTTW program director, on educational television and the colleges

--George Crothers, education director for Columbia Broadcasting System, will lead a discussion titled, "Can Television Be Educational?"

--Edward Rosenheim, director of radio and television for the University of Chicago, will discuss intellectually oriented television programs in the light of his experience as producer of "Humanities" for WTTW.

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12:30 p.m.--Luncheon. Warner G. Rice, chairman of the department of English, University of Michigan, will give an address titled, "American Education: Spectator Sport?"

2:00 p.m.--Leslie Brown, dean of Cleveland College, Western Reserve University, will lead a discussion dealing with college credit courses and television.

--Brice Harris, chairman of the department of English, Pennsylvania State University, will lead a discussion on the impact of TV education on teaching, teachers, and students.

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OR RELEASE:

Memorandum to: ART CRITICS, CITY EDITORS, AND PHOTO EDITORS

Subject: FACULTY ART SHOW OPENING TEA AND PRESS PREVIEW GIVEN BY THE FACULTY MEMBERS OF THE INSTITUTE OF DESIGN AND DEPARTMENT OF ARCHITECTURE AT ILLINOIS INSTITUTE OF TECHNOLOGY

Time and Place: 4 P.M. TUESDAY, APRIL 24, ARCHITECTURE-PLANNING-DESIGN BUILDING, 10 W. 34TH STREET, CHICAGO

Unusual forms of art expression will make good picture possibilities at the IIT faculty art show. Among the works exhibited will be a monumental model of a design for a new Montreal, Canada zoo--complete with models of people and animals; unusual modern wood and metal sculpture; architectural models, and an encyclopedia designed around a new publishing concept.

The faculties of the Institute of Design and the department of Architecture of Illinois Institute of Technology are sponsoring a tea and press prview from 4 to 6 p.m. on Tuesday, April 24 in conjunction with the opening of their annual art exhibit. The show will hang in the Architecture-Planning-Design building April 24 through May 12.

Some of Chicago's best known artists are among those exhibiting. Exhibiting artists include Jay Doblin, director of the Institute of Design; sculptors Nellie Bar, Cosmo Compoli, and Ray Fink; painters Richard Koppe, Eugene Dana, and John Waddell; photographers Harry M. Callahan, Aaron Siskind, and Walter Peterhans.

Also exhibiting their work will be architects Richard Baringer, Daniel Brenner, Jacques Brownson, Alfred Caldwell and James Speyer; regional planner Reginald Malcomson, and product designers Thomas Steinbach and Stowe Meyers.

You are invited to attend the tea which begins at 4 p.m. I will be on hand to assist your representatives.

--Sara Leonard
CAlumet 5-9600
Ext. 2213

4/23/56

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FOR RELEASE:
Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

A scale model of a proposed zoo, a unique radio-phonograph design, and a contemporary social painting will be among the art work displayed at Illinois Institute of Technology April 24 through May 12.

The occasion is the annual Illinois Tech art and design show by members of the Institute of Design and department of architecture faculties.

The faculty work will be on display from 9 a.m. to 9 p.m. weekdays and from 9 a.m. to 12 noon Saturdays in the main exhibition area of the IIT Architecture-Planning-Design Building, 10 W. 34th St.

The exhibit will include metal, wood, and marble sculpture, commercial product designs, oil and watercolor paintings, wood engravings, advertising art, and architectural plans.

Among the sculpture will be a large bronze piece, "David and Goliath," and a marble carving, "Mother and Child," by Cosmo Campoli.

Also included in the sculpture will be Raymond Fink's "Wood Bird," a tall structure of cherry wood with life-sized artificial eyes, and an etched steel and bronze "Butterfly" hanging insect with movable wings, also by Fink. Sculptress Nellie Bar will show two works, one in bronze, one in plaster.

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Product design and sculpture by Jay Doblin, director of the Institute of Design, will include a unique radio-phonograph console designed and built by the artist. Based upon rectangular forms, it is constructed chiefly of brass. Doblin also will show models of products he designed as executive designer for Raymond Loewy Associates.

Work by Alfred Caldwell will be a model of a zoo he designed for Montreal, Canada. The zoo model, reproducing nature as faithfully as possible, even contains miniature animals and people. Caldwell also will exhibit photographs of zoos he designed for Omaha, Neb., and other cities.

Richard Koppe, head of the visual design section, will show oil paintings and metal sculpture. One of Chicago's leading artists, Koppe has exhibited widely in the United States and abroad.

Somewhat unusual to art shows is the encyclopedia designed under the direction of Herbert Pinzke. It utilizes a new concept in reference book design.

Photographs of buildings they have designed will be exhibited by James A. Speyer and Daniel Brenner. Speyer will show photographs of skeleton construction, steel and glass houses which he has designed in Glencoe, Highland Park, and Pittsburgh.

Besides drawings and models for a fraternity house, Brenner will exhibit examples of museum and exhibition installations he has designed. Brenner is well known for the impressive installations he has planned for the Museum of Modern Art in New York and the Art Institute in Chicago.

Collections of photographic prints will be shown by photo-artists Harry M. Callahan, Aaron Siskind, and Walter A. Peterhans. Sketches for three houses and two oil paintings will be exhibited by Richard Baringer, lecturer in shelter design.

Among the paintings and prints to be shown will be oil paintings and wood engravings by Misch Kohn, a series of watercolors painted for the Lincoln-Mercury Times by Eugene Dana, and a contemporary social painting titled, "No No, No No, Yes," by John Waddell, head of the art education section.

Reginald Malcomson, who teaches regional planning in the architecture department, will display a metro-linear study of a metropolitan center, showing plans for the central portion of a large urban area.

Product design lecturers Stowe Meyers and Thomas M. Steinbach will exhibit mass-produced commercial products which they have designed.

Jacques Brownson, assistant professor of housing, will exhibit photos and models of his own home in Geneva, Ill., as well as other glass and steel structures he has designed.

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FOR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Herbert B. Gausebeck has been named manager of European operations for Armour Research Foundation of Illinois Institute of Technology, Chicago.

The appointment of Gausebeck as head of the Foundation's recently established European Technical Observation Group has been announced by Dr. Haldon A. Leedy, ARF director.

The ETOG plan has been established by the Foundation as a service to American companies interested in keeping abreast of European technological developments, Leedy explained.

Twenty non-competing firms are expected to be enrolled in the plan by the time it goes into operation in July. Categories of observation will include chemistry, metallurgy, and mechanical, electrical, and chemical engineering.

Gausebeck will head an European office staffed by five engineers and will serve as chemical engineering observer.

He joined Armour Research Foundation in 1948 as supervisor of the plastics section in the chemistry and chemical engineering research department.

He was promoted to assistant manager in 1949 and associate manager in 1953. In 1954, he was named manager of ARF program development.

-more-

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Before joining the Foundation, Gausebeck held several research posts in industry. He was in charge of plasticizer research at Heyden Chemical Corp., Garfield, N.J.; senior chemist at Ridbo Laboratories, Paterson, N.J., and chemist at Electrotechnical Products Co., Nutley, N.J.

Gausebeck received a bachelor's degree in chemical engineering from College of the City of New York in 1940.

He is a member of American Chemical Society, American Institute of Chemical Engineers, American Association for Advancement of Science, and Society of the Chemical Industry.

He resides with his wife and two children at 287 Rich road, Park Forest, Ill.

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FOR RELEASE: Immediate

From: Mildred Wyatt
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Chicago's efforts to combat airborne dust are beginning to show results.

The city's dustfall average for the first three months of 1956 was 56.6 tons per square mile, according to Samuel Radner, research chemical engineer at Armour Research Foundation of Illinois Institute of Technology.

"This is an improvement of 18.4 per cent over the first quarter average of 65.7 tons per square mile for the last three years," Radner said.

Scientists at Armour Research Foundation have been analyzing and measuring Chicago dustfall as a public service since 1946.

"Even the Loop area has shown improvement," Radner declared. "An average of 100.2 tons of dust per square mile fell on the Loop during the first three months of this year compared to 119.1 tons for the preceding three years."

The Loop area, which includes dust collecting stations at the Fair Store, 33 N. La Salle St., and 54 W. Hubbard St., normally is the dirtiest section in the city, Radner explained.

Greatest strides in the dustfall battle were made in the North Side which had a 23.3 per cent improvement in the first quarter of 1956 over the three-year average of 48.9.

The South Side showed an improvement of 9.7 per cent, Radner pointed out.

An average of 58.8 tons of dust per square mile fell on the city during March. Breakdown for the March dustfall follows:

Station Address	Ward Number	Total Dustfall
The Fair Store	1	137.3
33 N. LaSalle	1	81.8
Loop Average		109.6
2135 S. Michigan	1	112.4
825 E. 44th	4	70.4
1362 E. 59th	5	51.4
7531 Stony Island	7	74.3
67 W. 113th Pl.	9	49.7
8858 Marquette	10	84.6
3105 W. 63rd	13	68.0
62nd and Linder	13	52.7
7559 Eggleston	17	51.4
1620 W. 99th	19	42.0
3608 Ogden	22	78.5
1340 W. Monroe	26	80.7
5055 Fulton	30	63.2
1513 N. Western	32	38.3
5602 Belden	36	31.3
3312 Belle Plaine	40	37.3
7350 Pratt	41	18.5
54 W. Hubbard	42	75.6
551 Grant Pl.	44	42.0
3532 Sheffield	46	55.2
1622 Pratt Bl.	49	41.9
Average		58.8

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5 from
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OR RELEASE: Immediate

From: Frank Judd
CAlumet 5-9600
Ext. 547

Progress in protective relay engineering--which means better electric service to the customer--will be described at a conference at Illinois Institute of Technology, Chicago, Thursday and Friday, April 26 and 27.

Protective relays, frequently referred to as "silent sentinels," provide instant detection of abnormal conditions or faults in electric power systems, and tend to localize service interruptions and minimize damage to equipment, according to arrangements chairmen, E. B. Eggers, electrical research engineer at Illinois Tech.

Subjects to be covered by eight speakers at the technical sessions include major power system troubles, distance relaying of lines with transformers, distribution system protection, and phase and ground bus protection.

All sessions will be held in the Commons Building at 3200 S. Wabash Ave. The program for each of the two days, with subjects and names of speakers, follows:

Thursday, 9 a.m., discussion session open to relay engineers only; manufacturers' representatives may attend other sessions.

Thursday afternoon at 1:30, technical papers on "Fundamentals of Distance Relaying of Lines with Transformers," by John E. Hagberg, Westinghouse Electric Corp., Chicago' "Phase and Ground Bus Protection as Applied to a Sectionalized Bus," Owen A. Lentz,

technical applications engineer, Commonwealth Associates, Inc., Jackson, Mich.; "Transient Performance of Current Transformers and Effect on Relays," Andrew J. McConnell, senior engineer, General Electric Co., Philadelphia, and "Distribution System Protection with Automatic Circuit Reclosers," Everett J. Field, assistant chief engineer, I. T. E. Circuit Breaker Co., Greensburg, Pa.

Friday, 8:30 a.m.: "Application of Capacitor Potential Devices," R. Don Webster, electric utility applications engineer, General Electric, Chicago; "Pilot Protection Utilizing Carrier or Microwave Channels," George D. Rockefeller, relay applications engineer, Westinghouse Electric, Newark, N. J.; "Reliable Transmission of Transfer Trip Signals," Leonard G. Walker, sales manager for microwave and industrial products, Motorola Communications and Electronics, Chicago, and "Classified Log of Major Power System Troubles," George W. Hampe, relay settings engineer, Commonwealth Edison Co., Chicago.

Friday, 1 p.m.: general discussion of relay problems.

Presiding chairmen will be Harry Ruud, chief system supervisor, Iowa-Illinois Gas and Electric Co., Thursday morning; Edgar A. Cooper, Harza Engineering Co., Thursday afternoon; Prof. Eric T. B. Gross, Illinois Tech, Friday morning, and Otto R. Boll, senior engineer, senior engineer, Wisconsin Michigan Power Co., Friday afternoon.

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R RELEASE:

Grover M. Hermann, chairman of the board and chief executive officer of American-Marietta Co., Chicago, and an officer and director of more than a dozen of its subsidiary firms, has been elected to the board of trustees of Illinois Institute of Technology, it has been announced by the Institute's president, Dr. John T. Rettaliata. Sixty business and professional leaders serve as trustees of the Institute.

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4/24/56

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R RELEASE:

From: Walter Yurk
CAlumet 5-9600
Ext. 318

SPECIAL TO PARK FOREST REPORTER

A resident of Park Forest has been named director of the National Conference on Systems and Procedures at Illinois Institute of Technology May 17 and 18.

He is Dr. Henry Ludmer, 134 Peach St., who is associate professor of industrial engineering at IIT. He teaches production management, time and motion study, systems and procedures, and commercial engineering.

Ludmer is experienced in directing conferences of a national scope and interest; he was director of the Methods Improvement Conference at Illinois Tech last December and was chairman of the Cost Control Conference a year ago.

Ludmer taught the first course on commercial engineering in the United States, has written three books and has had 32 papers published in professional journals. He now holds the office of president of the National Institute of Commercial Engineering.

A former government management specialist, Ludmer received a doctor of jurisprudence and political economy degree in 1934 from the University of Prague, Czechoslovakia, and an industrial engineering degree in 1939 from the Czech Technical University of Commercial Engineering.

In order to get acquainted with American Teaching methods, he also attended the University of Missouri where he was granted a master of business administration degree in 1942. In 1945 and 1946 he did graduate work at Austin College, Sherman, Texas.

-more-

4/25/56

A former instructor at Wentworth Military Academy, Ludmer also held teaching positions at Austin College, the University of Toledo, and the military intelligence schools at Camp Fukuoka, Kyushu, Japan, and at Fort Riley, Kan.

Ludmer served as a military intelligence specialist with the United States Army during World War II and currently holds the reserve rank of major in the Corps of Engineers.

Under Dr. Ludmer's direction, IIT last year was awarded first place in the college division of the annual Methods Improvement Competition sponsored by the Industrial Management Society.

He is a member of the American Institute of Industrial Engineers, Society of American Military Engineers, Industrial Management Society, and the American Society of Engineering Education.

He is married and has two children.

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A former instructor at Dartmouth Military Academy, Lubmer also held teaching positions at Austin College, the University of Idaho, and the military intelligence schools at Camp Ritchie, Fremin, Ohman, and at Fort Riley, Kan.

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FOR RELEASE: Friday, April 27, 1956

From: Frank Judd
CAlumet 5-9600
Ext. 547

Three leading figures in architecture, industrial design, and city planning will be featured speakers at the dedication Monday, April 30, of Illinois Institute of Technology's newest classroom building--the S. R. Crown Hall.

They are Eero Saarinen, noted architect; Henry Dreyfuss, prominent industrial designer, and Walter H. Blucher, city planning consultant.

The new building houses Illinois Tech's Institute of Design and the departments of architecture and city and regional planning.

The dedicatory ceremony, scheduled for 2:15 p.m., will be held in the building at 10 W. 34th St., Chicago. A program, open to the public, will be followed by a reception and tour of the building.

The program will be opened by President John T. Rettaliata of Illinois Tech, who will be followed by the three speakers representing architecture, industrial design, and city planning.

The building has been named to honor the memory of S. R. Crown, a founder and president of Material Service Corp. until his death in 1921 at the age of 27 years.

Associated with him in starting the company, now the world's largest producer and supplier of prime building materials, were two brothers, the company's present board chairman, Col. Henry Crown, and its president, Irving Crown.

They and other members of the Crown family collectively contributed $250,000 to erect the new building as a center for educating future architects, city planners, and industrial designers.

Saarinen, head of Eero Saarinen and Associates, Bloomfield Hills, Mich., has received numerous national awards for his architectural designs. His Midwestern projects include Crow Island School, Winnetka, Ill.; Centerline, Mich., housing project; the art center and museum at Des Moines; a campus plan and women's dormitory at Antioch College, and the $68,000,000 General Motors Technical Center in Detroit.

During 25 years of industrial designing, Dreyfuss has had a hand at improving the function as well as the appearance of scores of products that touch the lives of most Americans. The products range from watches to transatlantic liners and railroad trains, the latter including the famous Twentieth Century Limited.

Dreyfuss, an organizer and past president of the American Society of Industrial Designers, has offices in South Pasadena, Calif., and New York City.

Blucher is the former executive director of the American Society of Planning Officials.

Active in city planning since 1919, he has served many national organizations, including the Public Administration Clearing House, National Committee on Urban Transportation, National Planning Board, and National Resources Planning Board.

S. R. Crown Hall is the 19th building to be added to the Illinois Tech campus since its development program was launched in 1943.

It was designed by Ludwig Mies van der Rohe, director of the Institute's architecture department, and has a main floor column-free hall that extends the length and breadth of the building, a concrete roof suspended from exposed girders, and is entirely enclosed with plate glass. The building is 220 feet long and 120 feet in depth.

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)R RELEASE: Saturday, April 28, 1956

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago--Present day educational television is not justified because it ignores the bulk of the viewing audience, a radio-television network official said here today (April 28).

The opinion was expressed by George Crothers, education director for the Columbia Broadcasting System, at the third annual Chicago Area Educational Television Conference at Illinois Institute of Technology.

"It is a misuse of television to direct programs only at the dedicated, disciplined, and consistent minority that want to 'go to school' on television," Crothers said.

He pointed out that this minority can obtain its education in other ways, and that the television time could be utilized to better advantage for the good of the general public.

Crothers suggested that methods other than the strict classroom approach be used in educational TV.

"Educational television producers, to serve even that minority which chooses to use television for purposes of education and self-improvement, must adapt their usual teaching methods to the television medium," the CBS official stated.

Education on television cannot be accomplished as it would in a classroom because of certain factors, he said. He listed these factors as:

-more-

1. The TV viewers who watch an educational program, though a minority of total viewers, are a larger group than those who would actually sign up for the course in a school. Therefore, they have to be treated differently from the average college class.

2. Unlike students who have to stay in a class once they are there, this is an undisciplined and uncaptive audience that can turn the program off at any moment.

3. The audience varies from week to week, day to day, even minute to minute.

"It is important that these factors be considered in the production of educational television programs," Crothers said. "Otherwise, it is questionable as to whether educational television is justified."

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R RELEASE: Saturday, April 28, 1956

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago--Can a college teach credit courses on television without lowering its academic standards?

The answer is "yes," according to Leslie Brown, dean of Cleveland College of Western Reserve University, providing these three requirements are satisfied:

1. The television courses must be controlled in the same way as other college courses.

2. Instruction must be of college quality on a college level.

3. Students should be required to submit more than the usual amount of written work, as a means of compensating for the lack of class participation.

Brown addressed 150 college and university educators here today (April 28) at the third Chicago Area Educational Television Conference at Illinois Institute of Technology.

"We try to select courses which we think will have wide popular appeal," Brown said, while discussing Western Reserve's extensive television program.

"But we do not try to increase their popularity by turning them into entertainment. We make every effort to maintain their intellectual level."

"Our television courses are regular courses in our curriculum," he said. "We require the same admission standards of our television students we would of any part-time student."

Brown talk--add 1

In describing Western Reserve's educational television experience, Brown said that the school is now offering its 22nd and 23rd TV credit courses. The university has presented two courses every semester since 1951, with each course consisting of 45 half-hour lectures.

"Because of their universal appeal, the humanities and the social studies have furnished subject matter for most of our courses," Brown said.

"In terms of numbers of study-guides sold--the only way we can measure our audience--our most successful course was on the Bible. Another course which drew much interest dealt with speech improvement in children,"

He prediced that there will be more emphasis on science courses in the future.

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

A Fulbright scholarship for a year of study in France has been awarded to John S. Ford, an Oak Park (Ill.) senior at Illinois Institute of Technology, Chicago.

The grant will enable Ford to study fine arts at the University of Paris in Paris, France. He will leave this summer and begin his studies in Paris next fall.

Ford, the son of Mrs. Marjorie Ford, 1047 N. Oak Park Ave., was graduated from Oak Park High School in 1952. He is art editor of the 1956 Integral, the Illinois Tech student yearbook

Ford, who is majoring in visual design in the Institute of Design at IIT, is president of the Design Students' Association and last year served as treasurer. He has been named to the dean's list and has won three Moholy-Nagy scholarships.

The grant to Ford is one of about 1,000 being made for study abroad during the 1956-57 academic year under the International Educational Exchange Program of the U. S. Department of State.

The program is designed to promote better understanding of the United States in other countries and to increase mutual understanding between the people of the United States and the people of other countries.

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4/27/56

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R RELEASE:

Memorandum to: CITY EDITORS AND PHOTO EDITORS

Subject: DEDICATION OF S. R. CROWN HALL, NEW HOME OF ILLINOIS INSTITUTE OF TECHNOLOGY'S DEPARTMENTS OF ARCHITECTURE, DESIGN, AND CITY PLANNING

Time and Place: 2:15 P.M. (CDT) MONDAY, APRIL 30, S. R. CROWN HALL, 10 W. 34TH ST., CHICAGO

Illinois Tech's newest classroom building--S.R. Crown Hall--will be dedicated in an impressive ceremony starting at 2:15 p.m. Monday, April 30. The building is being named to honor the memory of the late S.R. Crown, a founder and the first president of Material Service Corp.

The dedicatory program--to be held in the new building at 10 W. 34th St.--will include:

--Introductory remarks by Dr. John T. Rettaliata, IIT president.

--Brief addresses by Eero Saarinen, nationally prominent architect, Henry Dreyfuss, noted industrial designer, and Walter H. Blucher, Chicago city planning consultant.

--Unveiling of memorial plaque by John J. Crown.

--Unveiling of plaque inscribed with names of substantial contributors to the erection of the building by Jay Doblin, director of the Institute of Design.

--Presentation of gold key to the building to President Rettaliata by Ludwig Mies van der Rohe.

--Dedicatory statement by President Rettaliata.

--Reception and tour of the building.

You may wish to be represented at the dedication. I shall be on hand to render your reporter and/or photographer any assistance required.

--Frank Judd
CAlumet 5-9300
Ext. 547

From
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R RELEASE: Sunday, April 29, 1956

From: Frank Judd
CAlumet 5-9600
Ext. 547

The 19th new building to be constructed on the Illinois Institute of Technology campus since the institution launched its development program in 1943 will be dedicated tomorrow (April 30).

The building--named S. R. Crown Hall--provides modern facilities for Illinois Tech's architecture, industrial design, and city and regional planning departments.

The building has been named in memory of the late S. R. Crown, a founder and the first president of the Material Service Corp., the world's largest producer and supplier of prime building material.

Dedication ceremony will be held at 2:15 p.m. in the new building, located at 10 W. 34th St., center of Illinois Tech's rapidly expanding campus, known as Technology Center.

Principal speakers at the ceremony will be Eero Saarinen, noted architect; Henry Dreyfuss, prominent industrial designer, and Walter H. Blucher, city planning consultant.

Members of the Crown family contributed substantially to the construction of the unique steel-and-glass classroom building, designed by Ludwig Mies van der Rohe, head of IIT's architecture department.

The building has a main floor column-free hall that extends the length and breath of the structure, a concrete roof suspended from exposed girders, and is enclosed entirely with plate glass.

4/27/56 -vjd-

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Saturday, April 28, 1956

R RELEASE:

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago--Is education becoming a spectator sport, and is it speeded in that direction by educational television?

These questions were raised today (April 28) by a prominent college educator at the third Chicago Area Educational Television Conference at Illinois Institute of Technology.

Warner G. Rice, chairman of the department of English, University of Michigan, told college and university educators, "Education has become a matter of passive reception rather than active involvement."

There is danger, Rice indicated, that a public which is inclined to respect mechanical gadgets, accepts superficial efficiency, and is conditioned to spectator sports, will welcome television as a substitute for the classroom.

"There can be no doubt that television offers great promise as an adjunct to some kinds of teaching," Rice said, "especially where close-up demonstrations are important. Generally, there seems to be no reason why information and instruction cannot be aided by television techniques."

"However," he cautioned, "the question of education is another matter."

"Education requires an interchange of views," Rice stated. "It is carried on through a tempering process between the teacher and student. An essential in education is a teacher who is in a

position to adjust himself to the interests and needs of the student from hour to hour."

"It seems unlikely that the give and take so desirable in the educational process can be approximated through the TV screen," Rice said.

He indicated that another loss in educating by television was the loss of the influence of an academic society, which has played an important part in shaping education in the past.

Rice traced certain developments in American society which have led him to believe that American education is in danger of becoming a spectator sport.

"American society is rapidly being converted to the view that the machine is superior to the man, and that the choices made through mechanical appraising of data should determine human activities in many cases," he asserted.

Another factor cited by Rice is that American education, like other institutions, is placing increasing importance on improved efficiency in administrative methods.

Also as evidence that America is becoming a nation of viewers, rather than doers, Rice mentioned the many people who enjoy music over the radio or on records, yet never try to make music for themselves.

"In our contemporary culture there is a willingness to watch experts perform rather than to insist upon participation," he said.

Rice, a native of Aurora, Ill., has been chairman of the department of English at the University of Michigan for eight years. He is chairman of the commission on trends in education of the Modern Language Association.

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R RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Original works by Picasso, Goya, LeCorbusier, Matisse, and Leger are being displayed this week in Chicago as part of the Moholy-Nagy Memorial Scholarship Auction.

The exhibit and auction are sponsored annually by students of Illinois Institute of Technology's Institute of Design to raise funds to assist classmates who would not be able to continue their studies without financial aid.

The works will be on display at the Allan Frumkin Gallery, 152 E. Superior St., from 11 a.m. to 7 p.m. through Thursday, May 3. The auction will be held at 8 p.m. Friday, May 4, at the Arts Club, 109 E. Ontario St.

Two Picasso lithographs, etchings by Goya, a painting by LeCorbusier, and posters by Matisse and Cocteau are among the more than 150 works contributed for the auction.

Items to be auctioned will include wood, wire, and metal sculpture; oil and watercolor paintings, lithographs; prints; photographs, and charcoal, ink, and pencil drawings.

Among the Chicago artists who have contributed works for the auction are Francis Chapin, Eleanor Coen, Leon Golub, Richard Koppe, Misch Kohn, Richard Florsheim, and Margo Hoff.

Sculpture has been contributed by Bunni Sovetski, Harry Bertoia, and Jay Doblin, director of the Institute of Design. Photographs have been donated by photo-artists Aaron Siskind and Harry Callahan.

Other interesting art objects included in the sale are a whalebone mask carved by an Indian of northwest America, an aquatint by Georges Roualt, colored lithographs by Fernand Leger, and a cutlery set designed by George Nelson.

The auctioneer will be Peter Pollack of the Art Institute staff. He will be assisted by Aaron Siskind, assistant professor at the Institute of Design.

The auction and scholarship fund were established in honor of the late Lazlo Moholy-Nagy, Hungarian designer-educator who developed the basic training plan at the famous Bauhaus school in Germany.

After the Bauhaus was closed by the Nazis in 1933, Moholy-Nagy came to the United States and founded the Institute of Design in Chicago in 1937 as a New Bauhaus.

In 1949 the Institute of Design became a degree-granting department at Illinois Institute of Technology.

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OR RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 318

Walter G. Whitman, secretary-general of last summers' Geneva Conference on the Peaceful Uses of Atomic Energy, will be the principal speaker at the Industrial Nuclear Technology Conference.

The conference--first to be devoted entirely to the non-power applications of nuclear energy--will be held May 15 and 16 at the Museum of Science and Industry and the Shoreland Hotel in Chicago.

"The conference is designed to orient industry to the latest developments in the nuclear field," pointed out Dr. Leonard Reiffel, conference co-chairman and manager of the physics research department at Armour Research Foundation of Illinois Institute of Technology.

Armour Research Foundation is co-sponsoring the two-day conference with Nucleonics magazine, in cooperation with the Chicago Junior Association of Commerce and Industry.

Whitman, chairman of the chemical engineering department at Massachusetts Institute of Technology, will speak on "The International Atom" at the 6:30 p.m. dinner meeting in the Shoreland Hotel on May 15.

He also is president of the American Society of Chemical Engineers and a member of the advisory committee to the U.S. Atomic Energy Commission.

Some of the nation's leading nuclear scientists will participate in five sessions dealing with radiation sources, chemical applications, biological applications, industrial applications, and nuclear instrumentation.

4/30/56 -more-

Each session will be concluded by an authority's discussion of what can be expected in the field in the next five years.

The session on radiation sources will be concerned with such topics as the function and operation of nuclear reactors and the sources of high and low level radiation.

Specialists in the chemical applications of nuclear energy will discuss radioisotopes in inorganic and organic chemistry, and radiation-induced reactions.

Sterilization, pasteurization, plant and animal studies, medical applications, and radiation hygiene will be covered during the biological applications session.

The industrial applications sessions will be highlighted by discussions of beta and gamma ray gaging, inspection and radiography, and wear studies utilizing tracers.

Information on electronic detectors, laboratory instruments, and portable equipment will be presented at the final session on instrumentation.

Further information about the conference can be obtained from Joseph J. Kowal, Conference Secretary, Armour Research Foundation, 10 W. 35th St., Chicago 16.

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RELEASE: Advance

From: Frank Judd
CAlumet 5-9600
Ext. 547

ADVANCE FOR RELEASE AFTER 2:15 P.M. (CDT) MONDAY, APRIL 30, 1956

Chicago--The American public can look forward to using flying automobiles, magnetic vacuum cleaners, and keyless typewriters in the "not-too-distance future."

This was the prediction made here today (April 30) by Henry Dreyfuss, one of the nation's leading industrial designers.

"I have complete faith in the technological process of this country," he said, "and I think we can convert all these fantasies into realities."

The task of the industrial designer, he explained, is to keep faith with the American public by seeing that each innovation "not only works miracles, but adds comfort, safety, and beauty to the life of the average man."

Dreyfuss was one of three featured speakers at the dedication of S.R. Crown Hall, Illinois Institute of Technology's new home for its departments of architecture, industrial design, and city and regional planning.

Other speakers were Eero Saarinen, noted architect, and Walter H. Blucher, prominent city planner.

Dreyfuss said automobiles of the future will "hover a few feet off the ground" and that it will be possible to reach a destination with the aid of an "IBM card which will keep you on the beam."

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4/30/56

As for household cleaning, he forecast that tomorrow's woman will "push a button and the dirt will be magnetized, collected in a receptacle, and flushed away."

In describing business-world changes, Dreyfuss said it will be possible "to talk a letter into a typewriter or dictating machine and get a neatly typed letter out the other end."

The noted industrial designer also predicted extensive use of television as a shopping, business conference, and educational medium.

He said that women "will not go to the market to shop," but "will see the merchandise on special television channels and will order by phone."

Although industrial designers have made numerous contributions, Dreyfuss pointed out, "I suspect that we haven't even scratched the surface."

"I believe that, working in collaboration with engineers, scientists, and technologists, we have untold wonders in store."

Dreyfuss credited the industrial designer with having "done more in the past 25 years to raise the level of public taste than anything that happened in the centuries that preceded his appearance."

"The impact of one good design, mass-produced and used countless times, translates itself into good taste," he explained.

The designer saw no conflict between appreciation of the fine arts and the applied arts.

"The same man who enjoys a Van Gogh painting also can admire a well proportioned thermos jug or a handsome lamp," he said.

"People who appreciate a sleek jet airplane have the sort of awareness that enables them to be stirred by a Brancusi. In both cases, the people are moved by the same impulse--a desire for beauty."

In another address there came a warning that from a national basis there appears to be "almost a total lack of planning in the United States."

There is serious need for "more and better planning and more and better planners," according to Blucher, consultant to the American Society of Planning Officials.

He said educational institutions have a greater opportunity to serve the planning needs of the nation than at any time in history.

"Our needs will be met only by an institution that recognizes that the greatest requirement today is for planners who have a realization of world events, a sense of history, know the value of planning; planners who can carry conviction to all they deal with...

"We need an institution that will face up to our problems, that will provide a course of training to enable its graduates to suggest honest, imaginative, knowledgeable, and courageous solutions," Blucher declared, adding, "I hope the opportunity will be grasped by this institution."

Illinois Tech's new classroom building--located at 10 W. 34th St.--will furnish the most modern facilities for the departments of architecture, industrial design, and city and regional planning.

The unique steel-and-glass building was designed by Ludwig Mies van der Rohe, head of the IIT architecture department, and was named in memory of the late S.R. Crown, a founder and first president of the Material Service Corp.

The building is the 19th new structure to be erected on the Illinois Tech campus since the development program got under way in 1943.

-vjd-

from
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R RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

William E. Lambert, purchasing agent, has been named controller at Armour Research Foundation of Illinois Institute of Technology, Chicago.

His appointment was announced by W. M. Cousins, Jr., assistant director for business operations. He succeeds Peter H. Lauer, who became controller of the Warwick Manufacturing Co.

Lambert will have charge of the Foundation's accounting, purchasing, shipping and receiving, and reports and audits sections.

He joined the Foundation in 1953 as assistant chief accountant and was promoted to purchasing agent in February of this year.

Before joining ARF, he held positions as chief accountant for Knoedler Manufacturers, Inc., Streator, Ill.; secretary-treasurer of the Great Western Corp., Los Gatos, Calif., and cost accountant for Libby McNeil and Libby, San Francisco.

Lambert holds a bachelor of science degree in business administration from the University of Illinois and has done graduate work in accounting at San Jose State College, San Jose, Calif.

He is a member of the National Association of Cost Accountants. He makes his home in Clarendon Hills, Ill.

-vjd-

4/30/56

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R RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 547

Office and manufacturing procedures will be given a critical examination at the eighth Systems and Procedures Conference to be held at Illinois Institute of Technology, Chicago, May 17 and 18.

Subjects to be considered, according to conference director, Dr. Henry Ludmer, IIT associate professor of industrial engineering, include electronic data processing, systems report preparation, procedure manuals, work study and measurement, and quality and cost control.

The conference will include 12 workshop sessions and two luncheon meetings, all to be held in the Illinois Tech Commons Building, 3200 S. Wabash Ave.

The workshop program for each of the two days, with subjects and names of panels members, follows:

May 17, 10 a.m. - 11:45 a.m.: "Systems and Procedures Department--Its Organization and Operation," W. F. Near, superintendent, methods and routines department, Peoples Gas Light and Coke Co., leader; C. M. Jensen, systems manager, Felt and Tarrant Manufacturing Co.; W. K. Lambert, manager, George Fry and Associates, and Louis Peterhans, manager of systems and procedures, Zenith Radio Corp.

"System Analysis," Frank W. Braden, general personnel manager, Illinois Bell Telephone Co., leader; T. H. Blehl, head, systems and procedures department, American Phenolic Corp.; Richard H. Ottolin, manager, systems and procedures department, Parkersburg-

Aetna Corp., and F. D. Ryan, chief plant and industrial engineer, Bell and Howell Co.

"Methods Engineering," D. C. Burkholder, assistant comptroller, Swift and Co., leader; Eugene Berg, general manager, Link-Belt Co.; Nicholas Kondur, manager, methods and equipment division, Crane Co., and H. G. Weber, general production supervisor, Electro-Motive division, General Motors Corp.

2 p.m. - 4:30 p.m.: "System Synthesis," W. M. Carrithers, assistant controller for procedures and services, A. B. Dick Co., leader; Fred W. Hennings, systems and procedures manager, Allstate Insurance Co.; Hugh M. Little, assistant general manager, LeRoi Division, Westinghouse Air Brake Co., and E. K. Meyer, systems and procedures manager, Ditto, Inc.

"Systems Engineering," Rolla Ross, manager, electronic development division, Joseph T. Ryerson and Son, Inc., leader; Ned Chapin, consultant; A. S. Kranzley, manager, computer systems analysis and programming, Radio Corporation of America, and W. B. Sansom, electronic methods coordinator, International Business Machines Corp.

"Project Administration--Planning and Scheduling for an Engineering or Research Department," Alvin J. Blake, vice president, Chicago Technical Societies Council and staff assistant, farm tractor engineering division, International Harvester Co., leader; Peter Giannini, chief, contract administrative branch, Chicago Air Procurement District, USAF; John Q. Mosbarger, chief administrative engineer, South Wind division, Stewart-Warner Corp., and Robert L. Shearer, contract administrator, Clevite Research Center.

May 18, 9 a.m. - 11:30 a.m.: "Procedures Manuals," Arthur Formell, head, systems and procedures department, Motorola, Inc., leader; C. J. Coen, chief, management division, Office of Chief of Engineers, U. S. Army; E. S. Files, associate, A. T. Kearney and Co.; Peter Lauer, comptroller, Warwick Manufacturing Corp., and Gordon R. Trenholme, manager, systems and procedures department, aircraft engine division, Ford Motor Co.

"Inventory Control Techniques," J. P. Jensen, production control manager, Charles Bruning Co., Inc., leader; William K. Bell, production control supervisor, Imperial Brass Manufacturing Co.; Joseph A. Burik, assistant director of manafacturing, Advance Transformer Co.; J. Maschoff, manager, systems and procedures, International Minerals and Chemical Corp., and H. C. VanDeventer, production manager, Danly Machine Specialities, Inc.

"Operations Research and Analysis," John Lanahan, manager of commercial engineering, Inland Steel Co., leader; George Brigham, operations research analyst, Boeing Airplane Co.; John Diederichs, assistant manager, engineering economics department, Armour Research Foundation of Illinois Institute of Technology; Frank Harrison, consulting engineer, Sessions Engineering Co., and Edward C. Varnum, head, operations research department, Barber-Colman Co.

2 p.m. - 4:30 p.m.: "Linear Programming," Dr. John A. Howard, associate professor of marketing, School of Business, University of Chicago, leader; Dr. Frederick C. Bock, operations research analyst, Armour Research Foundation; C. Pat Crouch, operations research analyst, Arthur Andersen and Co.; Dr. Paul H. Randolph, executive officer, industrial engineering department, Illinois Tech, and LeRoy Wickstrom, supervising time study engineer, Oscar Mayer and Co.

"Electronic Data Processing" Howard W. Hudson, vice president, Panellit, Inc., leader; John Cheeley, regional electronics representative, Remington Rand, Inc.; Robert Dee, midwest regional manager, business systems, Electrodata Corp.; James S. Mullins, head, district data processing, International Business Machines Corp., and David Rubenfein, consultant, management services department, Arthur Young and Co.

"Writing Systems Reports," Dr. Pearce Davis, chairman, department of business and economics, Illinois Tech, leader; Homer F. W. Biesemeyer, head, internal auditing, Material Service Corp.; C. W. Campbell, chief industrial engineer, Acme Steel Co.; Dr. Henry Ludmer, and F. E. Nicholson, manager, cost control division, Libby, McNeill and Libby.

The two-day conference will open with a general session at which Warren E. Alberts, director of industrial engineering, United Air Lines, will speak on "System Simulation," the first time this topic will have been discussed.

The May 17 luncheon meeting will have as speaker Dr. Bruce L. Smyth, national president of the Systems and Procedures Association and assistant vice president, Federal Reserve Bank of Chicago, whose subject will be "Principles of a Good System."

Speaker at the May 18 luncheon will be V. C. Wilson, auditor of manufacturing, International Harvester Co. His subject will be "Internal Control with Electronic Data Processing Adaptations."

Illinois Tech is sponsoring the conference in cooperation with the Systems and Procedures Association of America, Illinois Manufacturers Association, National Institute of Commercial Engineering, Chicago Technical Societies Council, Industrial Management Society, and the Chicago chapters of the American Institute of Industrial Engineers, Institute of Management Sciences, Operations Research Society of America, and Society for the Advancement of Management. -vjd-

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RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Members of the class of 1906 will be honored at the annual dinner meeting of the Illinois Tech Alumni Association at 6:30 p.m. Friday, May 4, in the IIT gymnasium, 32nd and Dearborn Sts.

Principal speaker will be Chesly Manly, feature writer for the Chicago Tribune and author of the book "The U. N. Record: Ten Fateful Years for America," who will discuss the "The United Nations and American Foreign Policy."

Andrew N. Rebori, class of 1911, will receive the Alumni association's 1956 "distinguished service award" for his contribution to the advancement of his profession--architecture--since his graduation from college.

The association's "service award" will be presented to Claude A. Knuepfer, class of 1915, and Abraham Corman, class of 1917, for their long tenure of service to the association.

-vjd-

5/1/56

rom
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RELEASE: At Will

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Richard H. Crouse, research chemist, has been advanced to senior scientist at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Promotion to one of the top scientific positions at the Foundation was announced by Clark E. Thorp, manager of the chemistry and chemical engineering research department.

A specialist in the fields of fats and oils and in the application of ozone to organic reactions, Crouse also is director of the National Registry of Rare Chemicals at ARF.

Crouse joined the Foundation in 1944 as assistant chemist. He was promoted to research organic chemist in 1947 and became director of the registry in 1954.

Prior to coming to the Foundation, he was on the faculty of Morgan Park Junior College for four years and headed its mathematics department for two years.

As a research chemist, Crouse has participated in programs on fats and oils research and processing, synthesis of pharmaceuticals, and polyamide and lubricant additives. He holds patents on rapid-setting dental filling material, injection fluid for spark-ignition engines, and hydrogenation of lard.

A graduate of the University of Chicago, Crouse received his B.S. degree in chemistry in 1938. He is a member of the American Chemical Society and the American Oil Chemists Society.

Crouse resides at 530 Arlington Pl., Chicago.

5/1/56 -vjd-

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RELEASE:

Memorandum to: CITY EDITORS AND PHOTO EDITORS

Subject: FRATERNITY PLEDGES AT ILLINOIS TECH PARTICIPATE IN MAYOR DALEY'S CLEANER CHICAGO CAMPAIGN

Time and place: 10 A.M., THURSDAY, MAY 3, EXECUTIVE CONFERENCE ROOM, STUDENT UNION, 47 W. 33rd STREET, CHICAGO

Illinois Tech fraternity members will do their part in the current campaign for a cleaner Chicago by soliciting pledges from Loop businessmen to assist in the clean-up campaign.

There will be picture possibilities at 10 a.m. Thursday, May 3, when fraternity pledges meet to get preliminary information and work kits for their part in Mayor Daley's campaign for a cleaner city. Saturday, May 5, the boys will solicit pledges from loop businessmen including them in the campaign.

The 30 pledges--representing 11 Illinois Tech fraternities--are doing this work as part of the IIT Interfraternity Council's program of community service.

I will be on hand to assist your photographer Thursday.

---Sara Leonard
CAlumet 5-9600
Ext. 2213

ILLINOIS INSTITUTE OF TECHNOLOGY

RTC-ASE

from
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At Will
OR RELEASE:

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

A water fight--soap box derby--pie eating contest--barbershop quartet singing--military review--baby contest--variety show--pancake flipping contest.

These are but a few of the activities that will take place on the Illinois Institute of Technology campus during "Technorama"--the students' annual spring festival and open house.

Technorama will be held over two weekends, with most student activities scheduled for May 4 and 5 and the open house set for May 11 and 12 on Chicago's near south side.

A carnival atmosphere will reign on the campus as students and faculty members engage in a bit of carefree frolic before getting down to the more serious business of preparing for final exams.

Student activities will get under way at 9 a.m. Friday, May 4, when Lt. Gen. William H. Arnold, Fifth Army commander, reviews the IIT Air Force and Navy ROTC units at Ogden Field, 33rd and Dearborn Sts.

Ogden Field also will be the scene of a turtle race at 9:45 a.m., a car decorations contest at 10:30 a.m., a shorts contest at 11 a.m., and a student and faculty flap-jack flipping contest at 11:30 a.m. Friday.

At noon Friday an interdepartmental softball tournament will be held on Ogden and Armour fields.

A bridge contest will begin at 12:30 a.m. Friday in the Commons Lounge, 3200 S. Wabash Ave. -more- 5/1/56

Interclass competition will get under way at 1:30 p.m. with a water fight and tug-of-war on Ogden Field. It will be followed by a coed volleyball game at 4 p.m. in the gymnasium.

Events scheduled for Friday evening include a barbershop quartet contest at 7 p.m. and a fashion show at 8 p.m. both in the Student Union auditorium, 47 W. 33rd St.

A table tennis tournament in the Student Union auditorium will open the second day of student activities at 9 a.m. Saturday, May 5.

The interdepartment softball tournament will resume at 9:30 a.m. on Ogden and Armour fields. At 10 a.m. a cake baking contest will be held in the Student Union cafeteria and chess competition in the Student Union lounge.

A soap box derby is scheduled for Saturday noon at Ogden Field, to be followed by a pie eating contest at 1:30 p.m. Saturday. A pinochle tournament will be held at 2 p.m. in the Commons Lounge.

A student-faculty softball game will be held at 2 p.m. at Ogden Field. A baby contest is set for the same hour in another section of Ogden Field.

Illinois Tech's band and glee club will present a concert at 2:30 p.m. in the Student Union auditorium.

The first weekend of Technorama will be climaxed at 8:30 p.m. Saturday with the Technorama Ball at the Edgewater Beach Hotel.

The man and woman of the year--selected by fellow students--will be announced at the ball.

There will be a lull in Technorama activities until 2 p.m. Friday, May 11, when two days of open house gets under way on campus. Displays will be prepared by most of the academic departments.

A variety show will be held at 8 p.m. in the Student Union auditorium on both Friday and Saturday, with awards being presented to winners after the second show.

An interfraternity pageant--with each fraternity presenting a 5-minute skit--will be held at 1:30 p.m. Saturday in the Student Union auditorium.

Technorama will close with an all-school picnic Sunday, May 13.

-vjd-

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OR RELEASE:
At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Two 4-year engineering scholarships, beginning next fall, have been established at Illinois Institute of Technology, Chicago, by the Inland Steel Co.

The scholarship will cover all basic expenses for four years of education, allowing the recipients $1,500 each per year.

Scholarships will be awarded to one freshman and a junior student at Illinois Tech for the 1956-57 school term. Recipients will be selected by the IIT scholarship committee.

Inland Steel has established 22 scholarships at 15 colleges and universities. Nine are for study in the field of liberal arts and sciences, and the balance are in engineering.

-vjd-

5/2/56

from
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R RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Nuclear war and civil defense will be the subject of two talks by one of the world's leading authorities on blast effects in Columbus and Chillicothe, Ohio, on Sunday, May 6.

Francis B. Porzel, senior science advisor at Armour Research Foundation of Illinois Institute of Technology, Chicago, will discuss "Mike Shot--Crossroads for Mankind" at the spring meeting of the Ohio Civil Defense Corps in Columbus in the morning.

In the afternoon, he will speak on "Humanity and the H-Bomb" during the "Hospital Day" program at the Veterans hospital in Chillicothe.

Porzel is the originator of much of the shock wave theory and blast effects theory as known in the United States today.

Before joining Armour Research Foundation in 1954, he served as a group leader at the Los Alamos Scientific Laboratory where he was responsible for formulating theory and design and for executing and analysis of experiments dealing with hydrodynamic problems and effects from atomic bombs.

Porzel also was project leader or program director for seven series of atomic bomb tests in Nevada and at the Pacific proving grounds.

-more-

5/2/56

A lieutenant colonel in the reserve, Porzel has served with the U. S. Army artillery where he was concerned with research and development of guns, ammunition, and gun laying equipment. He has received the Legion of Merit, Commendation Medal, and Letter of Commendation for his participations in Operations Greenhouse, Ivy, and Sphinx.

A 1940 graduate of the University of Idaho, Porzel received his B. S. degree in metallurgical engineering with highest honors. He received his M. S. degree in nuclear physics in 1948 from Princeton university.

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OR RELEASE:

"Technorama," Illinois Tech's annual spring festival, will open Friday, May 4, with a full day of events that will have picture and story possibilities.

You are invited to send a reporter and/or photographer to any of the following events at Ogden Field, 33rd and Dearborn Sts., on Friday:

9 a.m.	Military review by Lt. Gen. William H. Arnold, Fifth Army commander, of IIT Air Force and Navy ROTC units
9:45 a.m.	Turtle race
11 a.m.	Colorful shorts competition
11:30 a.m.	Faculty-student pancake flipping contest
1:30 p.m.	Water fight and tug-of-war

Friday evenings events in the Student Union at 47 W. 33rd St. include:

7 p.m.	Barbershop quartet singing competition
8 p.m.	Fashion show

Additional pictures will be available Saturday, May 5, as follows:

9 a.m.	Table tennis tournament, Student Union
9:30 a.m.	Softball tournament, Ogden Field
10 a.m.	Cake baking contest, Student Union
12 noon	Soap box derby, Ogden Field
1:30 p.m.	Pie eating contest, Ogden Field
2 p.m.	Faculty-student softball game, Ogden Field Baby contest, Ogden Field
2:30 p.m.	Band and glee club concert, Student Union
8:30 p.m.	Technorama ball, Edgewater Beach Hotel (Man and Woman of the Year to be announced)

The Technorama open house will be held the following weekend, May 11 and 12, when all the academic departments will have displays from 3 p.m. to 11 p.m. daily.

--Sara Leonard
CAlumet 5-9600
Ext. 2213

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R RELEASE: Monday, May 7, 1956

The need to develop more engineers for the electric power industry has resulted in the establishment of a professorial chair in electric power systems engineering at Illinois Institute of Technology, Chicago.

Dr. William Abbett Lewis, Jr., former dean of the graduate school at Illinois Tech, has been named to the chair, sponsored by three electric utility companies and two manufacturers of electrical equipment.

The sponsoring companies are Allis-Chalmers Manufacturing Co., American Gas and Electric Co., Commonwealth Edison Co., Illinois Power Co., and Westinghouse Electric Corp.

In announcing establishment of the chair, Dr. John T. Rettaliata, president of Illinois Tech, cited the expectation that the electric power industry will double its capacity within 10 years as emphasizing the increasing need for engineers in this field.

"The sponsoring companies and Illinois Institute of Technology believe it is necessary to attract greater numbers of qualified students into the electric power field if the growing needs of the country for electricity are to continue to be met," he said.

Rettaliata added that there is need "to awaken students to the dynamic character of the electric power industry, and the unique opportunities offered capable students."

-more-

5/4/56

He pointed out that "this can best be done in the engineering colleges by teachers who understand and believe in the important role that engineers entering this field can play in its development," and described the new chair, under Dr. Lewis, as "an important step in that direction."

Dr. Lewis became associated with the Institute in 1944 as a research professor of electrical engineering, and was made dean of the graduate division in 1946.

-vjd-

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Sunday, May 6, 1956

R RELEASE:

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

The president of the student association and the secretary of the senior class were named "Man and Woman of the Year" last night (May 5) by the students of Illinois Institute of Technology, Chicago.

The selection of Charles W. Murdock, and Jean Staken Copeland as Illinois Tech's outstanding students was announced by Dr. John T. Rettaliata, IIT president, at the annual Technorama Ball at the Edgewater Beach Hotel.

"Man and Woman of the Year" are elected by the student body on the basis of popularity, scholarship, and leadership.

The ball is one of the highlights of Technorama--Illinois Tech's annual spring student festival and open house.

Murdock, who lives at 7951 S. Princeton Ave., is a chemical engineering senior, while Mrs. Copeland, of 8047 S. Wood St., is a senior home economics student.

In addition to being president of the Illinois Tech Student Association, Murdock is a member of Phi Kappa Sigma social fraternity. He has been honored for excellent scholarship with memberships in Phi Eta Sigma, freshman honorary fraternity, and Sigma Iota Epsilon and Tau Beta Pi, engineering honorary fraternities.

Mrs. Copeland, the wife of 1954's "Man of the Year," John S. Copeland, is a graduate of Aquinas High School. She is president of Kappa Phi Delta sorority, copy editor of the yearbook, and an IIT cheerleader.

She also is a member of the Home Economics Club; Chi Sigma Omicron, home economics sorority, and Phi Delta Epsilon, honorary journalism fraternity.

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OR RELEASE:

Memorandum to: PHOTO EDITORS

Subject: ANNUAL REVIEW OF AIR FORCE ROTC UNIT AT ILLINOIS INSTITUTE OF TECHNOLOGY

Time and Place: 10 A.M. WEDNESDAY, MAY 9, OGDEN FIELD, 33RD AND DEARBORN STS.

More than 200 Air Force ROTC cadets will assemble on the parade grounds at Illinois Institute of Technology at 10 a.m. Wednesday, May 9, for their annual review and inspection. The AFROTC band will be on hand to furnish military music.

Highlights of the program will be the presentation of six medals to outstanding cadets. The awards include the Chicago Tribune, Sons of the American Revolution, Daughters of the American Revolution, Air Force Association, and Republic Aviation Corp. medals.

The inspecting officer will be Col. W. A. Hoy, Jr., professor of air science at Syracuse University.

You are invited to send a representative to the review. I will be on hand to assist him.

--Walter Yurk
CAlumet 5-9600
Ext. 547

from
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R RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

A $500 scholarship for students of Italian-American extraction has been established at Illinois Institute of Technology, Chicago, in honor of Morris B. Sachs, Chicago city treasurer and merchant.

The Amerital-Unico Club, with a membership of Italian-Americans, set up the scholarship from funds Sachs has donated to the club for general use, according to Adolph P. Raymond, club president.

To be eligible for the grant, applicants must be first year students who have shown ability and are in need. Recipients also must meet the entrance requirements of Illinois Tech.

-vjd-

5/7/56

from
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R RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Five new instructors have been appointed to the faculty of Illinois Institute of Technology, Chicago, President John T. Rettaliata has announced.

They are: Michael A. McKiernan, Barth Pollak and Abe Sklar, mathematics; Claus P. Jacobsohn, sociology, and Dennis W. Prosser, mechanical engineering.

McKiernan, 1056 Ardmore Ave., received his bachelor of science and master's degrees from Loyola University. He was a graduate assistant at IIT for one year and will receive his doctor's degree from Illinois Tech in June.

Pollak, 7437 South Shore Dr., now is serving as research assistant at Princeton University. He is a graduate of South Shore High School and received his bachelor of science and master's degrees from Illinois Tech. He is working towards his doctorate at Princeton.

Sklar, 4834 N. Troy St., received his bachelor and master's degrees from the University of Chicago in 1947-48 and his doctorate this year from the California Institute of Technology. He served as an evening instructor at Illinois Tech during 1952-53 and as research assistant at California Tech in 1953-55.

-more-

5/7/56

New instructors--add 1

Jacobsohn, 5400 S. Greenwood Ave., received his bachelor of arts degree in 1948 from Vanderbilt University and his master's degree in 1952 at Northwestern University. He has taught at Vanderbilt University, University of Cincinnati, American Television Institute and Kendall College, Evanston. He is working towards his doctorate.

Prosser, 2108 Ainslie Ave., now is serving in the Army, but will be released before September. He attended Waller High School in Chicago and received his bachelor of science degree in mechanical engineering in 1951 from Illinois Tech.

-vjd-

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University 4-4677

R RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Approximately 200 students from six west suburban high schools will attend a High School Metallurgy Forum Wednesday, May 9, at Hinsdale Township High School.

The students, all interested in science and engineering, will meet at 2 p.m. in the cafeteria at the school.

William Lindner, sales representative for Vanadium-Alloys Steel Co., will discuss metallurgy, the educational background needed by metallurgists, employment prospects and salary statistics in the field of metals.

After the lecture students will have an opportunities to inspect exhibits relating to metallurgy. Representatives from companies supplying the exhibits will be on hand to answer questions.

The forum is being sponsored by the Chicago-Western chapter of the American Society of Metals.

Purpose of the forum is to contact students who are qualified to enter college and to help them obtain a picture of metallurgical engineering as a career, according to Fred Kisslinger, chapter chairman of the student affairs committee and associate professor of metallurgical engineering at Illinois Institute of Technology.

Students will attend from Downers Grove, Hinsdale, Lyons, Naperville, Riverside-Brookfield, and Wheaton high schools.

-vjd-

5/8/56

rom
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Immediate
RELEASE:

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Seven cadets of the Air Force ROTC unit at Illinois Institute of Technology received awards Wednesday, May 9, for academic and military accomplishments during the year.

Recipients of the awards during the unit's annual review and inspection were:

John W. Everett, 5515 N. Sawyer Ave., a gold medal from the Chicago Tribune for over-all academic and military proficiency in the advanced ROTC course.

Victor P. Vidugiris, 6450 S. Fairfield Ave., a silver medal from the Chicago Tribune for over-all academic and military proficiency in the basic course.

Russell W. Bergner, Kalamazoo, Mich., merit award of the Military Order of the World Wars for outstanding military proficiency and bearing.

Robert R. Weaver, Route 1, DeKalb, Ill., award from the Sons of the American Revolution for soldierly bearing and excellency.

Donald W. Drogosz, 2515 S. Sacramento Ave., medal from the Daughters of the American Revolution for showing the greatest interest in flying and for academic proficiency.

Louis Rubinstein, 5100 N. Hamlin Ave., the Air Force Association Medal as the outstanding member of the Arnold Air Society.

Lester Wolf, 1533 W. 186th Pl, Homewood, Ill., a sterling bracelet from the Republic Aviation Corp. for the most effective presentation of an air power subject. -more- 5/8/56

Inspecting officers were Col. W. A. Hoy, Jr., professor of air science at Syracuse University; Lt. Col. C. W. Porter, from AFROTC headquarters at Montgomery, Ala.; and Lt. Col. R. W. Abele, assistant professor of air science, University of Cincinnati.

-vjd-

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RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Hairless rats, quicksand effects, and motors driven by solar energy will be among the exhibits at Illinois Institute of Technology's open house Friday and Saturday, May 11 and 12.

The open house, known as "Technorama," is designed to acquaint the public with Illinois Tech's educational and research work.

Most of the Institute's buildings, centered around 33rd and Dearborn Sts., will be open from 3 to 11 p.m. during the two days.

Displays showing the making of wood from rubber, generation of one and a half million volts of energy and radioactive hamsters have been prepared by the department of physics.

Exhibits at the Institute of Design, a department of Illinois Tech, will include a 12 by 20 foot structure that can be collapsed and shipped flat, a printing demonstration, and a continuous showing of photographic processes.

Architecture students will show models of six types of structures, freehand drawing samples, and a development plan for 70 acres on Chicago's near north side.

The home economics department will reveal the advantages and limitations of new fibers and finishes and conduct taste tests of orange juices.

Visitors to the fire protection and safety engineering department will see a sprinkler system putting out a fire, and will be able to test their reaction time on an automatic brake.

5/9/56 -more-

The chemistry department will put on a magic show, demonstrate the detection of household chemicals by odor, and show basic methods in organic compound synthesis.

The psychology and education department will offer visitors an opportunity to try their learning ability against that of a rat.

-vjd-

ws about the

NATIONAL ELECTRONICS CONFERENCE

HOTEL SHERMAN OCTOBER 1-3, 1956 CHICAGO, ILLINOIS

release: At Will

From: Victor J. Danilov
Illinois Institute of Technology
Chicago 16, Calumet 5-9600

A record 240 commercial exhibits will be displayed Oct. 1-3 at the 12th annual National Electronics Conference and Exhibition at the Hotel Sherman in Chicago.

This is 54 more than the previous high of 186 last year, pointed out Gordon J. Argall, exhibits chairman.

Of the expected 240 exhibits, 215 spaces already have been sold, he said. Included among the exhibitors this year are some of the nation's leading electronics companies.

More than 10,000 persons are expected to attend the three-day meeting--the nation's leading forum on electronic research, development, and application. Approximately 100 technical papers will be presented.

The conference is sponsored annually by the American Institute of Electrical Engineers, Institute of Radio Engineers, Illinois Institute of Technology, University of Illinois, and Northwestern University.

Also participating in the conference are Michigan State, Purdue, Michigan, and Wisconsin universities, as well as the Radio-Electronics-Television Manufacturers Association, and Society of Motion Picture and Television Engineers.

Information about NEC exhibit space can be obtained by contacting G.J. Argall, DeVry Technical Institute, 4141 Belmont Ave., Chicago 41, Ill.

5/9/56 -vjd-

from
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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Double barreled education--in engineering and the liberal arts--will be the topic of a conference Friday, May 11, at Illinois Institute of Technology, Chicago.

Illinois Tech will be host to representatives from some 27 Midwest liberal arts colleges and universities participating in a combined education program with Illinois Tech.

The purpose of the conference is to iron out operating details of the combined educational program, which enables a student to gain two degrees--liberal arts and engineering--in five years of study.

Highlight of the meeting will be a luncheon address by Joseph C. Boyce, IIT vice president and dean of the graduate school, entitled, "Atomic Reactors." Boyce formerly was associate director of Argonne National Laboratory.

In the morning, conference attendants will participate in an informal discussion about the pre-engineering student in the liberal arts college, and about the flexibility of the combined program.

Other topics to be discussed at later sessions include promotional plans for combined programs, and financial assistance for engineering students.

Morning sessions will be held in the Commons Lounge, 3200 S. Wabash Ave.; afternoon meetings will be in the executive conference room of the Student Union, 47 W. 33rd St.

-more-

5/10/53

Under the combined education program, sometimes called the "3-2 Plan," students can obtain a combination liberal arts and engineering education in just five years. Students do this by spending three years at one of the liberal arts colleges and the last two studying in one of the engineering fields at Illinois Tech.

After the fifth year, they receive bachelor of arts or science degrees from the liberal arts college and an engineering degree from IIT.

Institutions represented in the program are:

Aurora College	Aurora, Ill.
Baldwin-Wallace College	Berea, Ohio
Calvin College	Grand Rapids, Mich.
Carroll College	Waukesha, Wis.
Carthage College	Carthage, Ill.
Centre College	Danville, Ky.
Coe College	Cedar Rapids, Iowa
DePaul University	Chicago, Ill.
Fisk University	Nashville, Tenn.
Hamline University	St. Paul, Minn.
Heidelberg College	Tiffin, Ohio
Hiram College	Hiram, Ohio
Illinois College	Jacksonville, Ill.
Illinois Wesleyan University	Bloomington, Ill.
Lake Forest College	Lake Forest, Ill.
Macalester College	St. Paul, Minn.
Monmouth College	Monmouth, Ill.
Muskingum College	New Concord, Ohio
North Central College	Naperville, Ill.
Park College	Parkville, Mo.
Principia College	Elsah, Ill.
Ripon College	Ripon, Wis.
Roosevelt University	Chicago, Ill.
Saint Joseph's College	Collegeville, Ind.
Saint Mary's College	Winona, Minn.
Simpson College	Indianola, Iowa
Westminster College	Fulton, Mo.

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R RELEASE: Monday, May 14, 1956

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Two staff members with a total of 80 years of service at Illinois Institute of Technology, Chicago, will retire at the end of the school year.

They are W. E. Kelly, associate registrar, who has served IIT for 49 years, and S. F. Bibb, golf coach and associate professor of mathematics, a veteran of 31 years.

Members of the Armour Faculty Club will honor the two at a dinner in the Commons Building, 3200 S. Wabash Ave., at 12:30 p.m. Tuesday, May 22. John J. Schommer, Illinois Tech development officer and a member of the board of trustees, will be master of ceremonies.

Kelly, 3100 S. Michigan Ave., joined IIT in 1907 at the age of 16. The school yearbook of 1940 was dedicated to him for his many years of service to the school.

Kelly was born on the Isle of Man, England, and came to this country when he was 2 years old. He received his high school education at Antioch, Ill. He and his wife will make their home at Sister Lakes, Mich., after retirement.

Bibb, 7806 S. Euclid Ave., joined the IIT faculty in 1945, and was named associate professor of mathematics in 1937. He has served as golf coach since 1933.

Bibb is co-author of six textbooks on mathematics and has published several research articles. In 1943 he was elected a fellow of the American Association for the Advancement of Science and in 1951 as a member of Sigma Xi.

5/10/56

Born in Ripley, Tenn., Bibb taught high school in Tennessee and at the Michigan College of Mines and the University of North Dakota before coming to Illinois Tech. He was a second lieutenant in the U. S. Army during World War I.

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R RELEASE:
At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 318

Sigmund Freud and his contributions to Western thought will be analyzed during a roundtable discussion in the auditorium of the Student Union at Illinois Institute of Technology Thursday, May 17.

The program will get under way at 7:30 p.m. with a movie entitled "Feeling of Hostility," which demonstrates one form of neurotic behavior and its roots in early childhood. The roundtable will begin at 8 p.m.

On the panel will be Dr. Magda Arnold, professor of psychology at Loyola University; Dr. Samuel K. Workman, associate professor of English at Illinois Tech, a specialist in English literature and its relations to psychology; and Dr. Walter Weisskopf, chairman of the department of economics at Roosevelt University, who recently published a book on the relationship of economics to psychoanalysis.

Dr. Donald Smithburg, associate professor of political and social science at Illinois Tech, will be moderator. Chairman of the program is Peter Jacobsohn, instructor in sociology at IIT. The public is invited.

The IIT Student Union is at 47 W. 33rd St., Chicago.

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R RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

New director-general of the Union of Burma Applied Research Institute at Rangoon is Niels C. Beck, of Armour Research Foundation of Illinois Institute of Technology, Chicago.

Beck, who is acting manager of program development at the Foundation, will leave for Burma at the end of May, according to Paul B.W. Gollong, manager of the ARF international department.

Beck succeeds Dr. Christopher E. Barthel Jr., who is returning to his post as an assistant director at the Foundation after serving three years as director-general.

The Burmese Institute was organized in 1947 with the technical assistance of Armour Research Foundation under the U.S. Technical Cooperation Administration program, Gollong explained.

In 1953, the Foundation undertook reorganization and expansion of the Institute's long-range research and development program and the formation of the present Institute staff.

Former dean of Parks College of St. Louis University, Beck joined ARF in 1953 as program development engineer and was promoted to assistant manager of program development in 1955.

During World War II, Beck served as forecasting meteorologist at Parks College before being named dean in 1946. Prior to that he was engaged for nine years in accounting, transportation, and economics.

5/14/56 -more-

Beck appointment--add 1

A native of Denver, Colo., Beck received his A.B. and B.S. degrees in chemistry from Regis College, Denver, Colo., in 1934 and did graduate work in geophysics at St. Louis University.

He is a member of American Men of Science, Sigma Xi, Institute of Aeronautical Sciences, American Meteorological Society, Society of Automotive Engineers, American Society for Engineering Education, and Aviation Writers Association.

Beck resides at 6 McGarity, Park Forest, Ill.

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R RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Quivering muscles and jangled nerves no longer need be occupational hazards of the pneumatic hammer operator.

A vibrationless pneumatic hammer principle has been developed at Armour Research Foundation of Illinois Institute of Technology, Chicago, it has been announced by Dr. Gerhard A. Nothmann, manager of the ARF mechanical engineering research department.

The tooth-rattling recoil produced by the standard hammer and absorbed by the operator has been eliminated successfully by ARF engineers in a Foundation-sponsored research project.

"We've made the initial breakthrough," Nothmann said, "but further development will be necessary before the hammer can be put into production."

The same fundamental concept employed in the development of recoil systems for high-rate-of-fire weapons for the military has been used in designing the vibrationless hammer, according to project engineer William P. Manos.

Just as vibration between the weapon and its support is softened in high-rate-of-fire weapons, so is the recoil between the pneumatic hammer and the operator modified, Manos explained.

5/14/56 -more-

This has been accomplished by placing a pneumatic spring between the handle and the main mass of the instrument. The main mass of the hammer "absorbs" the vibrations formerly sensed by the tool operator.

Work output of the tool depends on the available energy per blow and the cyclic rate of the hammer, it was pointed out. These qualities, in turn, depend on the pressure.

One of the advantages of the design of the new tool, according to Manos, is the simplification of design and elimination of unnecessary passages. Thus the vibrationless feature is provided without excessive pressure loss or reduction in work.

"This has been accomplished," Manos said, "and it is believed that future models will be superior to the present prototype."

The new hammer possibly may be made to deliver the same work output as standard pneumatic tools with no increase in weight, he added.

Weight is an important factor in any tool for hand use, it was pointed out.

"It has been determined," Manos stated, "that careful redesign and proper choice of materials can produce a balanced design which will be sufficiently rugged and of acceptable weight, including the parts added to the present standard tool to produce the vibrationless feature."

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OR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Nicholas J. Chaparos' work as a professional designer and as a design student at Illinois Institute of Technology, Chicago, has earned him a year of study in Europe.

Chaparos has been awarded a Fulbright scholarship to study visual design at the Art Academy at Stuttgart, Germany, starting in the fall.

Chaparos, who lives at 418 N. State St., Chicago, has worked eight years as a display designer in New York and Chicago. He now is a student majoring in visual design at Illinois Tech's Institute of Design.

The son of Mr. and Mrs. James N. Chaparos, 410 Hulett St., Schenectady, N. Y., he was graduated from Mt. Pleasant High School in Schenectady.

At Illinois Tech, Chaparos has been the recipient of a Moholy-Nagy memorial scholarship. He has served as a member of an Institute of Design drama group, on the scholarship auction committee, and as visual design chairman for 1956 open house.

The grant to Chaparos is one of about 1,000 being made for study abroad during the 1956-57 academic year under the International Educational Exchange Program of the U. S. Department of State.

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5/15/56

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FOR RELEASE: Friday, May 18, 1956

Illinois Institute of Technology will break ground June 11 for a classroom and laboratory building that will become the home of its departments of electrical engineering and physics.

It will be the 21st new building at the 110-acre Technology Center, on Chicago's near south side, that Illinois Tech has been developing during the last 10 years.

The new structure, costing approximately $1 million, will provide 65,000 square feet of additional instruction space on three floors and basement, and is expected to be ready for use during the summer of 1957, according to President John T. Rettaliata.

"It is especially needed," he stated, "to replace older facilities and to accommodate qualified students whose education will help alleviate the nation's critical shortage of engineers and scientists."

Designed by Ludwig Mies van der Rohe, director of the Institute's department of architecture, the building will match other modern campus structures in having an exposed steel skeleton and in being enclosed with plate glass above a low brick base.

The building will be located at the southeast intersection of Dearborn and 33rd Sts. and, in external appearance, will be a duplicate of the IIT chemistry building across 33rd St.

-more-

5/16/56

A half dozen large laboratories, a 300-seat auditorium, Illinois Tech's A-C network calculator, classrooms, and offices will be accommodated in the building which will be partially air-conditioned.

Pace Associates has been designated as associate architects. Invitations for bids from contractors will be distributed next week.

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OR RELEASE:

Memorandum to: PHOTO EDITORS

Subject: ANNUAL REVIEW OF NAVY ROTC UNIT AT ILLINOIS INSTITUTE OF TECHNOLOGY

Time and Place: 2:10 P.M. THURSDAY, MAY 17, OGDEN FIELD, 33RD AND DEARBORN STS.

More than 150 Navy ROTC midshipmen at Illinois Institute of Technology will pass in review at 2:10 p.m. Thursday, May 17. The midshipmen's band will furnish music for the annual review and inspection.

Admiral Emmet P. Forrestel, commandant, 9th Naval District, Great Lakes, will review the ROTC unit.

Highlighting the program will be the presentation of nine awards to outstanding midshipmen.

I will be present to assist any representative you may send.

--Sara Leonard
CAlumet 5-9600
Ext. 2213

5/16/56

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

A fellowship in electrical power and another for oil research have been granted to two students for graduate study at Illinois Institute of Technology, Chicago.

The recipients are John A. Kise, Portsmouth, Va., who received a year's electrical power companies fellowship, and Bart A. DiLiddo, 3101 S. Wabash Ave., Chicago, who was awarded the Sinclair fellowship in catalysis, a special field of research in chemical engineering.

Kise will receive his bachelor of science degree in June from the Virginia Polytechnic Institute, where he is an honor student. He will do research work in power systems at IIT for requirements toward his master's degree.

DiLiddo now is doing graduate work at IIT on a fellowship in chemical engineering. He received his bachelor of science degree in 1954 from Fenn College, Cleveland, Ohio.

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5/16/56

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FOR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

An acoustics specialist has been named assistant manager of the physics research department at Armour Research Foundation of Illinois Institute of Technology, Chicago.

He is Dr. Robert W. Benson, supervisor of the acoustics design section at the Foundation since 1954, according to Dr. Leonard Reiffel, manager of the physics research department.

Benson will be responsible for three acoustics research sections--acoustic design, sound and vibration control, and the Riverbank Acoustical Laboratory.

Research being carried out in these sections includes sound propagation in the atmosphere, speech communications systems, design of new electroacoustic transducers, development of new acoustical materials, product quieting, measurement and reduction of noise in industry, and many other projects.

Prior to joining the Foundation, Benson was in charge of physical research at the Central Institute for the Deaf, St. Louis. He also was on the staff of Washington University, St. Louis, as assistant professor in the electrical engineering department, assistant professor in electrical research at the dental school, and instructor in the audiology department.

A graduate of Washington University, he received his Ph.D. degree in 1951.

-more-

Dr. Benson--add 1

Benson is a member of the Acoustical Society of America, the Institute of Radio Engineers, and Sigma Xi science honorary. He also served as chairman of the National Noise Abatement Symposium in 1955.

Benson resides with his wife and two sons at 133 Hemlock St., Park Forest, Ill.

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

A Harvey (Ill.) student has been selected the most outstanding senior in chemistry at Illinois Institute of Technology, Chicago.

He is John P. Unik, 15240 Center Ave., Harvey, who was chosen on the basis of leadership, scholarship, and character.

The 1956 medal for excellence in the study of chemistry was presented to Unik by Dr. Martin Kilpatrick, department chairman, upon recommendation of the Illinois Tech chemistry faculty. The medal is awarded by the American Institute of Chemists to stimulate interest in chemistry.

In addition the medal, Unik's name has been inscribed on a permanent plaque which hangs in the IIT Chemistry Building, 3255 S. Dearborn St.

Unik, the eighth student to receive the award since it was established at Illinois Tech, will be granted his bachelor's degree in June. He will enter graduate school at the University of California, Berkeley, Calif., in the fall with an assistantship in chemistry.

A graduate of Thornton Township High School, Unik enrolled at Illinois Tech in 1952. At IIT he has received scholarships from the Transparent Package Company and from the Tee-Pak Foundation. He is a member of Phi Lambda Upsilon, chemistry honorary.

Unik is the son of Mr. and Mrs. Peter F. Unik, 15240 Center Ave., Harvey.

-vjd-

5/17/56

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Keith F. Beal, a specialist in ammunition propellants, has been promoted to assistant manager of the department of chemistry and chemical engineering at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Beal came to the Foundation in 1948 as a research chemist. He was promoted to assistant supervisor of plastics research in 1952 and to supervisor of that section in 1953. Early this year he was put in charge of the propellant chemistry research section.

In his new position Beal will have promotional and administrative responsibilities for the analytical chemistry, propellant chemistry, biochemistry, and chemical engineering research sections, according to Clark E. Thorp. department manager.

Beal holds six patents in plastics and special compositions of plastics and rubber. Last year he received the ARF chemistry department's award for scientific achievement in the nitration of cellulose with anhydrous nitric acid.

Beal received his bachelor of science degree from Iowa State College in 1938 after which he worked as an analytical chemist for Lever Brothers. He later worked as a research chemist for the Miner Laboratories of Chicago and spent seven years with the Visking Corp. as senior research chemist.

He is a member of the American Chemical Society, the American Ordnance Association, and the American Association for the Advancement of Science. He lives at 253 Maple Dr., Chicago Heights, Ill.

5/17/56 -vid-

from
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On or after Thursday, May 17, 1956

OR RELEASE:

From: Vic Danilov
CAlumet 5-9600
Ext. 692

Chicago--The world's first private nuclear reactor for industrial research was dedicated here today (May 17).

The new research tool is being constructed by Armour Research Foundation of Illinois Institute of Technology near 35th and State Sts. on Chicago's near south side.

The reactor was dedicated in brief ceremonies to "the application of nuclear science for the benefit of man" by Dr. Haldon A. Leedy, Foundation director.

The ceremonies were attended by more than 150 Foundation staff members and representatives of the Atomic Energy Commission and the companies participating in the reactor research program.

When completed, the installation will enable industry for the first time to conduct reactor studies without security restrictions and military competition.

Dr. John T. Rettaliata, president of Illinois Tech and Armour Research Foundation, told those attending the dedication that "atomic energy can become man's benefactor" and that "its power for good is a great as the destructive force it contains."

The nuclear reactor is expected to "go critical"--begin operation--within several weeks, pointed out Dr. Richard F. Humphreys, director of the Foundation's reactor program.

-more-

5/17/56

The reactor is housed in a new $1,250,000 Physics and Electrical Engineering Research Building being constructed by Armour Research Foundation.

It was built for ARF by Atomic International, a division of North American Aviation, Inc., Canoga Park, Calif.

"The reactor is a neutron and gamma source," Humphreys explained. "It is not intended for the generation of electrical power, nor for research on reactors themselves."

Probably the most frequent use of the ARF research reactor, he pointed out, will be in the production of radioactive samples.

As an instrument of research, the reactor also makes possible:

--Study of the influence of radiation on chemical reactions, plastics, glasses, organic systems, and certain metallic alloys.

--Chemical analysis through neutron activation--the most sensitive method now known for measuring impurities in rare quantities.

--Structure analysis potentially more powerful than the standard x-ray diffraction techniques.

Housed in a room about 48 feet long, 72 feet wide, and 30 feet high, the reactor is a "water boiler" type capable of operating at a power level of 50 kilowatts.

The reactor employs fuel in the form of a water solution of uranyl sulphate--approximately one kilogram of U-235, according to Humphreys. The fuel has been obtained from the Atomic Energy Commission on "extended loan," as required by law.

under repeater-mdd 1

The vendor is bound to a new $1,500,000 physics and
electrical engineering research building leased commercial by
Kenyon Insurance Association.

It was built for use by atomic laboratories, a division of
Ward Corrosion Evaluation, Inc., Cooper Lab, Chair.

"The vendor is a venture and firm control," Hungerford
explained. "It is not intended for the production of electrical
power, nor for research on reactor fuel elements."

Nobody else must "research reactor" because
be pulled out, will be the production of radioactive samples,
An an instrument of research, the vendor also [illegible] possible:
--Study of the influence of radiation on chemical reactions,
plastics, polymers, organic systems, and certain metallic alloys.
--Chemical analysis through neutron activation--the most
sensitive, rapid and [illegible] determination is made
quantities.

--Structure analysis accurately more powerful than the
[illegible] --yet diffraction techniques.

-- not in a very short piece of [illegible] and so fast
light, the reactor is a "water boiler" type capable of operating at a
power level of 50 kilowatts.

"The vendor original fuel is the form of a water solution of
uranium-235--approximately one kilogram of U-235," according to
Hungerford. "It has been designed that the atomic energy
released will be used [illegible] a division of [illegible]
Corrosion Evaluation, Inc., Cooper Lab, Chair.

It was built for use by atomic laboratories, a division of
Electrical Engineering Research Building lease commercial by
Kenyon Insurance Association,

The vendor is bound to a new $1,500,000 physics and

The Armour reactor is the first since the original reactor at Stagg Field to be constructed in a highly populated area.

However, a particular feature of the ARF reactor, Humphreys pointed out, is its "self-contained" design which confines all the radioactivity within a triple containment system.

"No fumes, gases, smoke, or other materials will be exhausted or discharged from the machines," he said.

Construction on the reactor was started June 13, 1955. However, the Physics and Electrical Engineering Research Building housing the reactor will not be completed until this summer.

Twenty-three industrial companies are participating in the nuclear reactor research program at the Foundation.

Under the participator plan, each firm is contributing $20,000 toward the construction and initial operation of the $700,000 reactor facility. ARF is providing the remaining funds.

In return, the companies will share in the benefits of an extensive three-year program whose aim is the application of atomic techniques to industrial problems, according to Humphreys.

Other features in the participator plan, he said, include detailed technical advice, certain patent benefits, and limited specialized training.

Companies participating in the program include:

Armour & Company, Chicago
Aro Equipment Corporation, Bryan, Ohio
Ball Brothers Company, Inc., Muncie, Ind.
Borg-Warner Corporation, Bellwood, Ill.
Caterpillar Tractor Company, Peoria, Ill.
Clark Equipment Company, Buchanan, Mich.
Deway and Almy Chemical Company, Cambridge, Mass.

The Argonne reactor is the first since the original reactor at Stagg Field to be constructed in a highly populated area.

However, a particular feature of the ARF reactor, [illegible] pointed out, is its "self-contained" design which confines all the radioactivity within a triple containment system.

"No fumes, gases, smoke, or other materials will be exhausted or discharged from the building," he said.

Construction of the reactor was started June 15, 1956.

[illegible], the physics and [illegible] research building [illegible] the reactor will not be completed until this summer.

[illegible] financial companies are contributing to the [illegible] reactor research program of the Foundation.

[illegible] reactor plan, each firm is contributing [illegible] toward the construction and initial operation of the [illegible] reactor facility. ARF is providing the remaining funds.

In return, the companies will share in the benefits of an extensive three-year program [illegible] as the application of [illegible] techniques to industrial problems according to Humphreys.

Other features in the [illegible] plan, [illegible] include [illegible] hot cells, [illegible] and [illegible] special [illegible] facility.

Companies participating in the program include:

[illegible] Company, Chicago
[illegible] Corporation, [illegible], Ohio
[illegible] Company, Inc., [illegible], Ind.
[illegible], Bellwood, Ill.
Caterpillar Tractor Company, Peoria, Ill.
[illegible] Company, [illegible], Ohio
Dewey and Almy Chemical Company, Cambridge, Mass.

--more--

Elgin National Watch Company, Elgin, Ill.
Eli Lilly and Company, Indianapolis, Ind.
The Firestone Tire and Rubber Company, Akron, Ohio
General Portland Cement Company, Chicago
Gustin-Bacon Manufacturing Company, Kansas City, Mo.
Illinois Tool Works, Chicago
Inland Steel Company, East Chicago, Ind.
International Business Machines Corporation, New York, N.Y.
N. W. Kellogg Company, New York, N.Y.
Kimberly-Clark Corporation, Neenah, Wis.
Ohmite Manufacturing Company, Chicago
The Richardson Company, Melrose Park, Ill.
United States Steel Corporation, Pittsburgh, Pa.
Universal Oil Products Company, Des Plaines, Ill.
Victor Chemical Company, Chicago
Whirlpool-Seeger Corporation, St. Joseph, Mich.

-vjd-

FROM
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FOR RELEASE: At Will

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Harry N. Wada has been promoted to purchasing agent for Armour Research Foundation of Illinois Institute of Technology, Chicago.

Wada succeeds William E. Lambert who has been named ARF controller, according to William M. Cousins Jr., assistant director for business operations.

In addition to purchasing, Wada will supervise the Foundation's property section and cafeterial operations.

Wada joined the Foundation in 1954 as assistant purchasing agent after receiving his B.S. degree in marketing research at Illinois Tech. He also holds an M.S. degree in business and economics from IIT.

While a student at Illinois Tech, Wada received an award for the highest scholastic standing in liberal studies.

A native of Nebraska, Wada formerly owned and operated a restaurant in North Platte, Neb., and worked as food manager in Chicago.

He is a member of the Purchasing Agents Association and Society for Advancement of Management.

Wada is married and the father of two children. He resides at 5413 Ridgewood Ct., Chicago.

-vjd-

5/17/56

from
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OR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Titanium, the metal upon which the success of U. S. defense efforts may hinge, will be featured on "Research File" at 7 p.m. Monday, May 21, over WTTW.

The half-hour program will tell about titanium studies and developments carried on in the metals research department of Armour Research Foundation of Illinois Institute of Technology.

Participating in the program will be Robert A. Lubker, manager of ARF metals research, Dr. Donald J. McPherson, assistant manager of metals research, and Dr. David W. Levinson, supervisor of non-ferrous metals.

Titanium is a light, strong, and corrosion resistant metal which could serve as the basis for a whole new family of structural alloys. However, the difficult and costly process of extracting the metal from its ores limits titanium's application to vital defense equipment at present.

"Research File" is a weekly program dealing with science and technology produced by Illinois Institute of Technology over Chicago's educational television station.

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5/18/56

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FOR RELEASE:
Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

A citation for service to the diamond industry will be presented to Harold C. Miller of Armour Research Foundation of Illinois Institute of Technology, Chicago, on Wednesday, May 23.

The Industrial Diamond Association of America will present a plaque to Miller at a formal dinner at 6:30 p.m. in the Imperial House, 50 E. Walton St.

The plaque will be presented by Jan Taeyaerts, IDA president.

Miller, who is manager of magnetic recording research at the Foundation, served as technical chairman of the industrial diamond symposium and exhibition held March 19-21 in Chicago in conjunction with the national convention of the American Society of Tool Engineers.

Miller is a specialist in high-pressure research, including problems relating to diamonds.

-vjd-

5/21/56

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FOR RELEASE:

Memorandum to: PHOTO AND CITY EDITORS

Subject: TWO ILLINOIS TECH STAFF MEMBERS WITH TOTAL OF 80 YEARS OF SERVICE WILL BE HONORED AT LUNCHEON

Time and Place: 12:30 P.M., TUESDAY, MAY 22, IIT COMMONS BUILDING, 3200 S. WABASH AVE.

W. E. Kelly, associate registrar, who has served Illinois Institute of Technology for 49 years, and S. F. Bibb, golf coach and associate professor of mathematics, a veteran of 31 years, will retire at the end of this year.

Members of the Armour Faculty Club will honor the two at a luncheon in the Commons Building, 3200 S. Wabash Ave., at 12:30 p.m. Tuesday, May 22.

You are invited to send a reporter and/or photographer. I will be present to assist any representative you may send.

--Walter Yurk
CAlumet 5-9600
Ext. 547

5/21/56

FROM:
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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

An Illinois Institute of Technology chemistry honor student has been named one of eight in the nation to receive a $1,000 scholarship awarded by the Atlas Powder Co.

He is Stephen W. Tobey of 3101 S. Wabash Ave., Chicago, father of two children, who has maintained a near-perfect academic record while working 25 hours a week.

Tobey, son of Mr. and Mrs. George M. Tobey Jr., is a graduate of Oak Park (Ill.) High School. At Illinois Tech, he has been selected for membership in Phi Eta Sigma, and Phi Lambda Upsilon, honorary fraternities.

While at Illinois Tech, Tobey received the Wilcox-Gay, Nesco, and Interchemical scholarships.

The award winners were chosen from a group of 21 finalists who had spent two days in Wilmington being interviewed by Atlas officials and visiting the company's nearby central research laboratory, chemicals plant and General Offices.

The finalists were selected from 112 applicants from 34 colleges and universities throughout the country. Factors in making the awards were scholastic standing, recommendations of college authorities, extra-curricular activities, and financial need.

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5/21/56

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FOR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Two scientists at Armour Research Foundation of Illinois Institute of Technology, Chicago, have been promoted to supervisors in the physics research department.

Guy T. Sanders has been named supervisor of the noise and vibration control research section and Dr. John W. Buttrey has been appointed supervisor of the physics of solids research section.

Promotion of the two associate physicists has been announced by Dr. Leonard Reiffel, manager.

Sanders will supervise research work in the reduction of noise in various products, measurement and reduction of noise in industry, and work with mechanical vibrating systems that produce noise.

As supervisor of the physics of solids section, Buttrey will be in charge of work in semi-conductors, photo conductivity, properties of insulators, and x-ray diffraction.

A native of Great Neck, N.Y., Sanders received a B.S. degree in mechanical engineering from the University of Alabama in 1949. Prior to joining ARF in 1954, he was engaged as test engineer at Pratt & Whitney Aircraft, Hartford, Conn., and development engineer at Gulfstream Paper Corp., Tuscaloosa, Ala.

Sanders is a member of the Acoustical Society of America. He resides with his wife and two children at 637 Hillside Dr., Hinsdale, Ill.

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5/22/56

A physics major, Buttrey holds an A.B. degree from South East Missouri State College, an M.S. from University of Missouri School of Mines, and a Ph.D. from the University of Missouri at Columbia. Buttrey taught physics at the latter two schools before joining the Foundation in 1953.

Buttrey is a member of Sigma Xi and American Physical Society. Married and the father of four children, he lives at 249 S. Maple St., Oak Park, Ill.

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OR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Music organizations at Illinois Institute of Technology, Chicago, will give their annual spring concert at 3 p.m. Sunday, May 27 in the Student Union auditorium, 47 W. 33rd St.

Music groups participating in the concert will include the concert orchestra, men's glee club, concert band, dance band, and the Techmen, a double quartet.

Special feature of the concert will be a harp solo played by freshman architecture student, Dave Norris, 3300 S. Michigan Ave. Also included in the program will be a saxophone solo, and a woodwind ensemble.

The concert, which is open to the public, is under the direction of Hubert E. Nutt, Illinois Tech music director.

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5/22/56

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Chicago--Continental Coatings Corp. has been granted exclusive license to the "Flame Ceramics" process developed by the Armour Research Foundation of Illinois Institute of Technology for the application of ceramic coatings to base materials.

The agreement was announced jointly by George R. Sylvester, president of Continental Coatings, and Emil W. Wickert, licensing operations manager of Armour Research Foundation, both of Chicago.

Flame Ceramics coatings are produced by spraying non-metallic powders through a flame gun (on which patents are pending) on an otherwise unheated surface.

Unique coatings can be applied to most metals, glass, carbon, and refractories. The coatings, generally crystalline oxides or oxide mixtures, are distinguished by their remarkable resistance to heat, abrasion, and chemical attack.

The new process and coating materials were developed in the ceramics and minerals research department of the Armour Research Foundation under government and Foundation sponsorship.

A number of coatings are available, including such materials as stabilized zirconium oxide, and uses for them vary widely, dependent upon the specific properties of each coating.

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For example, one aluminum oxide coating, "harder than tool steel," can be used on relatively soft metals. A somewhat similar coating can be used for electrical insulation, while coatings of other compositions will conduct electricity.

One particular Flame Ceramic resists wetting by most molten metals, while others are so heat resistant that the underlying supporting metal can be melted without damage to the coating.

The license agreement grants to Continental Coatings Corp., 140 S. Dearborn St., Chicago, world-wide rights to this process and the right to sub-license Flame Ceramics materials and processes to others. In addition, the agreement provides for continued research and development of new coating materials, coating equipment, and Flame Ceramics processes.

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Leonard E. Read, president of the Foundation for Economic Education, Inc., Irvington-on-Hudson, N.Y., will speak at Illinois Institute of Technology's commencement exercises Friday, June 8, in Orchestra Hall.

"Looking Out for Yourself" will be the title of the address by Read, who is president of the Irvington Press and author of numerous books on politics and economics.

Some 400 undergraduate and graduate students will receive degrees from Dr. John T. Rettaliata, president of Illinois Tech, at the commencement.

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5/23/56

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FOR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Conventional wing and tail anti-icing equipment on certain types of military aircraft soon may be eliminated.

Chemical compositions that effectively prevent ice accumulation on airplane wings are being developed for the U.S. Air Force by scientists at Armour Research Foundation of Illinois Institute of Technology, Chicago.

The chemical de-icers are expected to point the way to significant cost and weight reduction in aircraft, according to Dr. E. H. Schulz, ARF assistant director.

Foundation scientists are working on the development in a project for Wright Air Development Center, Air Research and Development Command, Dayton, O.

Armour is participating in the project on a sub-contract from Research, Inc., Hopkins, Minn., where an investigation is being carried out on mechanical de-icing devices. Testing of the chemical compositions is being done by Research, Inc., in its icing wind tunnel.

De-icers developed at the Foundation include freezing point depressants and heat-releasing chemical compositions, according to Dr. R. A. Budenholzer, project leader.

These compositions are designed to prevent ice formation on aircraft, particularly during climb through dangerous icing conditions, he explained. They can be brushed or sprayed on the areas of the airplane where ice accumulates or applied in the form of tape.

5/22/56 -more-

One of the compositions being developed at ARF will enable the pilot to get rid of ice that already has accumulated on the wings, Budenholzer said. This would be accomplished by application of a protective film that can be activiated at the will of the pilot.

Accumulation of ice on the wings, nose, and tail of the plane adds to the weight of the craft and decreases maneuverability and speed, it was pointed out.

"This could mean the difference between success and failure in military missions," Budenholzer declared.

Icing also affects the speed and flight characteristics of guided missiles--an important factor to be considered for national defense.

Development of the chemical compositions is being carried out in the physical chemistry section of the Foundation's chemistry and chemical engineering research department with Dr. Francoise J. Olmer, senior scientist, in charge.

The heat transfer and thermodynamic phase of the investigation is being conducted in the heat and mass transfer section of the ARF propulsion and fluid mechanics research department under the direction of Irwin B. Fieldhouse, supervisor.

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FOR RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago--More than 100 day and evening courses ranging from art education to industrial psychology will be offered at Illinois Institute of Technology during its summer session.

Undergraduate and graduate instruction will get under way June 25 and end Aug. 18, according to Raymond D. Meade, summer session director.

Registration for the eight-week session will be held June 20 for evening students and June 21 for day students in the IIT Chemistry Building, 33rd and Dearborn Sts.

The art education program--arranged especially for vacationing teachers--will include seven graduate-level courses in visual fundamentals, sculpture, history and theory of art education, and photography in art education. The courses will be offered in Illinois Tech's Institute of Design.

Summer courses also will be given in the following departments of Illinois Tech:

Biology; business and economics; chemical engineering; chemistry; civil engineering; electrical engineering; home economics; industrial engineering; language, literature, and philosophy; mathematics; mechanical engineering; mechanics; metallurgical engineering; physics; political and social science; psychology and education, and technical drawing.

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ws about the

NATIONAL ELECTRONICS CONFERENCE

HOTEL SHERMAN OCTOBER 1-3, 1956 CHICAGO, ILLINOIS

r release:

At Will

From: Victor J. Danilov
Illinois Institute of Technology
Chicago 16, Calumet 5-9600

Proceedings of the 1955 National Electronics Conference now can be obtained at $5 per copy from the NEC headquarters, 84 E. Randolph St., Chicago 1.

The 1040-page, cloth-bound book contains the 102 technical papers and three luncheon addresses presented at the 11th annual meeting in Chicago last October.

In addition to the 1955 volume, the following back issues of the NEC Proceedings are available: 1946, 1949, 1950, 1951, 1952, 1953, and 1954.

J.S. Powers, conference executive secretary, said that advance orders also are being taken for Proceedings of the 12th annual National Electronics Conference, to be held Oct. 1-3 at the Hotel Sherman in Chicago.

More than 10,000 persons are expected to attend the 1956 conference--the nation's leading forum on electronic research, development, and application.

The conference is sponsored by the American Institute of Electrical Engineers, Institute of Radio Engineers, Illinois Institute of Technology, University of Illinois, and Northwestern University.

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5/24/56

Also participating in the conference are Michigan State, Purdue, Michigan and Wisconsin universities, as well as the Radio-Electronics-Television Manufacturers Association and Society of Motion Picture and Television Engineers.

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NOTE TO EDITORS:

Review copies of the 1955 NEC Proceedings can be obtained by writing to Victor J. Danilov, NEC Publicity Chairman, Illinois Institute of Technology, Technology Center, Chicago 16.

Teaching conference—and I

Also participating in the conference are microfilm Study,

Education and Information organization, as well as the Testing-

Education-Television committee recently set up by the Society of

Motion Pictures and Television Engineers.

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Chemical), Technology Center, Chicago is

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Two specialists in rocket propellant research have been promoted at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Gerald M. Platz has been moved up to supervisor of propellant chemistry research and Dr. Morton J. Klein has been named assistant supervisor of that same section.

The appointments will take effect June 1, according to Clark E. Thorp, manager of the chemistry and chemical engineering department.

Platz, who is now assistant supervisor, replaces Keith F. Beal, who recently was named assistant manager of the department.

Platz joined the Foundation in 1949 as a technician. He received his bachelor of science degree from Illinois Tech and has 16 years of experience in engineering research.

Platz, who holds two patents in the expanding field of ozone research, has done extensive work on ordnance fuses, pyrotechnics, and high explosive munitions. He is president of the Chicago section of the American Rocket Society and he lives at 180 E. Dallette St., Elmhurst, Ill.

Klein received his bachelor of science degree at the University of Illinois in 1948 and his doctorate in inorganic chemistry from Illinois Tech in 1953; he joined the Foundation as an associate chemist that same year.

-more-

5/25/56

Klein is the author of a number of papers on the structure of the ozone molecule and rare earths.

He is a member of the American Chemical Society, the American Institute of Chemists, Sigma Xi, and Phi Lambda Upsilon. He lives at 7511 N. Damen Ave., Chicago, Ill.

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FOR RELEASE: On or after May 27, 1956

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

An honorary degree of doctor of laws was conferred on Ludwig Mies van der Rohe, noted architect May 27 at the commencement exercises of North Carolina State College in Raleigh, N.C.

Mies van der Rohe, head of the department of architecture at Illinois Institute of Technology, Chicago, is considered one of the leading exponents of comtemporary architecture and modern design.

The degree citation honoring the architect follows:

"Mr. Mies van der Rohe, a native of Germany, is universally acknowledged as one of the world's greatest architects of our time. Before coming to the United States in 1938 to make his permanent home, he had a brilliant career in Europe, where his design influence was widely felt. He was director of the famous Bauhaus in Berlin and Dessau, one of the most important early modern schools of design.

"Both as an architect of superlative skill and sensitivity and as a teacher of architects, he represents one of the dominant forces in architecture today.

"In granting him an honorary degree, North Carolina State College feels that we are recognizing a man who represents the very finest that is being done at the extreme forefront of architectural knowledge."

Striking examples of Mies van der Rohe architecture in Chicago are the Illinois Tech campus, the 26-story twin glass apartment buildings at 860 Lake Shore Dr., and the Promontory apartments at 5530 South Shore Dr.

-vjd- 5/27/56

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R RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Chicago--Automobile exhaust fumes may be a cause of lung cancer, a study has revealed at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Results of an investigation by Foundation scientists show strong evidence that gasoline engine exhaust extract has a marked tumor-inducing effect upon the skin of mice, according to Dr. E. H. Schulz, ARF assistant director.

"Seventy-six per cent of the mice painted with an extract of gasoline engine exhaust developed tumors," Schulz said.

Purpose of the study--an ARF-sponsored research project--was to determine whether tumor inducers exist in several common sources of atmospheric pollution, explained Dr. Sidney Mittler, project leader.

The work was done by biologists and chemists in the ARF chemistry and chemical engineering research department.

"Because the lung is a respiratory organ," Mittler said, "considerable attention has been devoted to the study of potential tumor inducers in the atmosphere which may contribute to the increase of the incidence of lung cancer."

Four common sources of air pollution were investigated--gasoline engine exhaust, coal soot, oil soot, and diesel engine exhaust.

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Various extracts of these pollutants and benzene controls were applied to a total of 167 mice during the 11 months of experimentation, Mittler explained.

"At the end of this period," he said, "76 per cent of induced tumors were observed in the group of mice painted with the extract of the gaoline engine exhaust.

"Only one tumor was induced in the group of 36 mice treated with coal soot extract," he reported, " and no mice in the groups painted with the oil soot extract and diesel engine exhaust extract developed tumors.

It was emphasized that no effort was made to extrapolate the results to human cancer, "nor is such extrapolation warranted at this stage of the research."

"Further research is necessary before definite conclusions can be made regarding lung cancer," Mittler said.

"However," he pointed out, "the Foundation research indicates the possibility of gasoline engine exhaust as a serious potential cause of cancer--at least in mice."

In addition to the interest the ARF experiments show in the possible cancer-inducing potential of gasoline engine exhaust, Mittler explained that the investigation also points up the need for much more research in the entire field of atmospheric pollution by possible cancer inducers.

In preparing the experiments, extracts were made of coal soot from samples obtained at a railroad roundhouse in Chicago. Oil soot was taken from various building chimneys in the Chicago area, and gasoline and diesel exhaust condensates were made from engines in the Foundation's oil and engine laboratories.

"Benzene was used as a solvent for these extracts since it is known to be non cancer-inducing by nature," stated Mittler.

The four extracts were applied to colonies of mice which had inbred brother and sister for some 25 years, assuring identical strains for the study, the scientist explained.

"The study does not necessarily absolve fuel and coal soot particulates," Mittler said. "Tumor-inducers might have been in the gaseous portion that escaped in the chimneys where samples were collected.

He also pointed out it is possible that the method of extraction may have favorably concentrated tumor-inducers in gasoline exhaust and not the others, "a possibility that needs examination."

An important point at this stage is to define the exact chemical nature of the tumor-inducing compounds which either are present or may be introduced into the air in large quantities, he added.

"All the various sources of air pollutants should be treated under a controlled variety of conditions," Mittler commented, "and exhausts of chimney gases should be examined to determine whether they contribute the offending tumor inducers."

The scientist suggested that an attempt should be made to relate the concentration of tumor-inducing compounds to the sources and to meteorological and topographical conditions by actual sampling of air in various localities.

"If danger signs appear," he said, "then appropriate measures could be taken to produce a minimum of such pollutants."

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FOR RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 546

Hydraulic applications in atomic energy will be prominent among the subjects considered at the 12th annual National Conference on Industrial Hydraulics in the Hotel Sherman, Chicago, Oct. 18 and 19.

The use of hydraulics in the nuclear energy field will be discussed at the opening general session before approximately 800 engineers and industrial operating officials from practically every state in the Union and several foreign countries.

Chairman of the general session will be Dr. Joseph C. Boyce, vice president and dean of the graduate division of Illinois Institute of Technology, which, with its affiliate, Armour Research Foundation, is sponsoring the conference, in cooperation with several engineering societies and more than 100 industrial organizations.

Conference director is R. O. Isenbarger, chief engineer of Chicago Rawhide Manufacturing Co.

Ten technical sessions will be devoted to discussions of the latest developments in fundamental and applied phases of industrial hydraulics in other fields, according to Raymond D. Meade, conference secretary.

The schedule of technical sessions, with subjects and names of chairmen, follows:

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Oct. 18, afternoon--pumps, John A. Lauck, vice president, Pesco Products Division, Borg-Warner Corp.; servo-systems, Ralph J. King, staff engineer, Caterpillar Tractor Co.; components and accessories, James O. Heyworth, vice president, Barco Manufacturing Co., and pneumatics, J. J. Slomer, staff engineer, Goodman Manufacturing Co.

Oct. 19, morning--mobile equipment, J. F. Ziskal, chief engineer, International Harvester Co.; machine tools, Ernest J. Svenson, president, John S. Barnes Corp., and aircraft systems, J. T. Marshall, chief engineer, Bendix Aviation Corp.

Oct. 19, afternoon--hydraulic fluids, R. Q. Sharpe, staff engineer, Socony-Mobil Oil Co.; presses, M. G. Sulser, Chicago district manager, Denison Engineering Co., and automotive, F. L. Mackin, head, department of hydraulics, General Motors Institute.

The program includes a luncheon each day, and an all engineers' banquet on Oct. 18.

The cooperating engineering societies are: Illinois section of American Society of Civil Engineers; Western Society of Engineers; American Society of Lubrication Engineers; National Fluid Power Association; the Chicago sections of the American Society of Mechanical Engineers, Society of Automotive Engineers, American Institute of Chemical Engineers, and Institute of Aeronautical Sciences, and the Chicago chapters of American Society of Tool Engineers and Illinois Society of Professional Engineers.

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FOR RELEASE: Monday, June 4, 1956

From: Frank Judd
CAlumet 5-9600
Ext. 546

Houghton, Mich., June 3--The incentives to enter the engineering profession are greater than ever before, the June graduating class of Michigan College of Mines and Technology was told here today.

This opinion was expressed by Dr. John T. Rettaliata, president of Illinois Institute of Technology, Chicago, principal speaker at commencement exercises in which more than 300 students were awarded degrees.

Dr. Rettaliata pointed to recent scientific and technological developments, especially in the fields of nuclear energy and automation, as having "multiplied the opportunities which the engineer should seize to render useful service in the areas in which he is particularly qualified."

He warned the graduates, however, that with expanding technology, engineers of the future will be faced with a vital obligation to "develop the forces of nature for the benefit of mankind."

Dr. Rettaliata was one of four persons granted honorary degrees of doctor of engineering at the day's ceremony. The others were: Leo F. Duggan, dean of students at the college; Asdruebal J. Keast, an alumnus who now is managing director of Rio Tinto Mining Co., Australia, and Vice Admiral Austin K. Doyle, Chief of Naval Air Training at Pensacola, Fla.

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In conferring the degree, Dr. Grover C. Dillman, Michigan Tech president, cited Dr. Rettaliata's contributions to "the development of what we are wont to call the jet age," adding that:

"Your career of service and achievement is an example to all young engineers and scientists now entering their chosen professions, an example they might well try to emulate."

In describing nuclear energy applications as a "field of tremendous potentialities," the Illinois Tech president said:

"Atomic energy can become man's benefactor. It is as full of potential blessings as of destructive force. Pacification of the atom is the challenge you face."

Concerning the need of qualified manpower in the nuclear energy field, he said the Atomic Energy Commission could use thousands of scientists and engineers to expand its projects.

"Not more than 400 people a year are now trained for the nuclear power field, against an estimated need of 1,200 annually," he said

Rettaliata said that in automation the engineer will have the opportunity to contribute greatly to the creation of an abundance for future generations.

He added, however, that the spread of automation in industry must be accompanied by public appreciation of its role in an expanding economy, and that the engineering profession has the obligation to "prevent misinterpretations of its applications."

"Your task will require business statesmanship, a sound knowledge of the facts of the American economy, and alertness to every opportunity to publicize those facts," he said.

The IIT president said the rapidly growing population increases the burden engineers face in satisfying the requirements of the nation, and emphasizes the need for more engineers.

He mentioned a Bureau of Census estimate placing the population of the country at approximately 190,000,000 persons in 1965, compared with about 167,000,000 today.

"And if we extend our prognostications into the more distant future, say to the end of the century when the American population may be in excess of 300 million people," Dr. Rettaliata went on, "the implications almost stagger the imagination.

"Providing for these added millions of population to come within the lifetime of most of the members of this graduating class will tax the engineering profession and industry to the utmost."

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Chicago--Varsity letters have been awarded to 40 athletes at Illinois Institute of Technology.

The awards include 25 major and 15 minor "I" letters, according to Bernard Weissman, Illinois Tech athletic director.

Eleven major and three minor letters were granted in baseball, six major and three minor in track, four major and four minor in golf, one major and five minor in tennis, and four major awards to members of the rifle team.

The letter winners are:

Baseball, major, Harold Feiveson, 6301 N. Albany Ave.; Donald Clifford, 28 E. 113 St.; Gerald Lorek, 12157 S. Justine St.; Gerald Giebelhausen, 3641 N. Sawyer Ave.; William Soss, 480 S. Broadway, Yonkers, N. Y.; Joseph Vojpich, 2300 S. 59th Ct., Cicero, Ill.; Robert Satek, 1947 S. 56th Ave., Cicero, Ill.; Larry Kaufman, 222 Harvey Ave., Grayslake, Ill.; Alfred Kasid, 366 Fuller St., St. Paul, Minn.; Robert Kolba, 304 E. North St., Crown Point, Ind.; Clyde Layne, manager, 4037 Bunnell Dr., Jacksonville, Fla.; minor awards, Herbert Weil, 5063 N. St. Louis Ave.; Frank Chloupek, 2848 S. Trumbull Ave.; Harry Hayer, 5246 Gerard Ave., South Minneapolis, Minn.

Golf, major, Richard Dolezal, 1939 S. East Ave.; Frank Weber 9416 S. Racine Ave.; Ed Kaiser, 1763 Jefferson St. Glenview, Ill.; Dennis Shinks, 1922 Kellogg Ave., Waukegan, Ill.; minor letters, John De Runtz, 88 S. Richmond St.; Richard Kaiser, 3236 S. Michigan Ave.; Jim McCarthy, 6306 Harper Ave.; Dave Gibbs, 319 Chemung St., Waverly, N.Y.

more 6/1/56

Letter winners--add 1

Track, major, Daniel McNulty, 1744 E. 83rd Pl.; Callis Niquette, 7811 S. Bennett Ave.; Edward L. Busca, manager, 424 W. Marquette Rd.; Steven T. Hails, 3622 S. Austin Blvd., Cicero, Ill.; Armand Hess, 807 Middle Ave., Elyria, Ohio; Rolf Schroeder, 4115 E. 146th St., Cleveland, Ohio; Joseph Penny, 333 S. Tippecanoe St., Gary, Ind.; minor letters, Richard Wetzel, Rt. 1, Buchanan, Mich.; Gordon Wilson, 1534 N. 17th Ave., Melrose Park, Ill.

Tennis, major, Al Migdal, 1031 N. Richmond St.; minor, William Kayser, 7940 S. Elizabeth St.; Steve Myles, 41 N. Central Ave.; Joseph Hyman, 1338 S. Kildare Ave.; Jim Asaki, 615 W. Belden Ave.; Jim Blair, 564 Fairview Ave., Elmhurst, Ill.

Rifle team, major, Donald Drogosz, 2516 S. Kedzie Ave.; Ronald Nelson, 6744 S. Carpenter St.; John Kulwiec, 118 Lind Ave., Northlake, Ill.; Robert Pierce, 314 E. Allanson Rd., Mundelein, Ill.

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R RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 546

Conditions under which it is economical to utilize welding in manufacturing processes, and which welding method is preferred for the particular job, will be stressed at the third annual Midwest Welding Conference to be held in Chicago Jan. 30 and 31, 1957.

The conference, sponsored by Armour Research Foundation of Illinois Institute of Technology and the Chicago section of the American Welding Society, will be held in the Illinois Tech Chemistry Building at 3255 S. Dearborn St.

The two-day program will feature 12 speakers who will present various phases of welding.

Three hundred persons are expected to attend the conference, according to chairman Harry Schwartzbart, supervisor of welding research at Armour Research Foundation.

-vjd-

6/1/56

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

A Smethport youth has been elected president of next year's junior class at Illinois Institute of Technology, Chicago.

He is William P. Dunn, son of Mr. and Mrs. Robert M. Dunn, 713 W. Main St.

Dunn, who is majoring in civil engineering, was graduated from Smethport High School in 1954 and entered Illinois Tech in fall of that same year.

He is a member of the Illinois Tech Navy ROTC and served as treasurer of that unit last year.

-vjd-

6/1/56

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

An Indianapolis student has been elected president of next year's sophomore class at Illinois Institute of Technology, Chicago.

He is Frank E. Deal, son of Mr. and Mrs. John S. Deal, 1428 N. Euclid Ave. He was a candidate on the United Independent ticket.

Deal was graduated from Cathedral High School in Indianapolis in 1955 and entered Illinois Tech last fall. He is majoring in mechanical engineering.

Deal, a member of the Navy ROTC at Illinois Tech, has participated on the wrestling team and in intramural football.

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Robert K. Mock, Glens Falls, N. Y., has been chosen president of the 1956-57 senior class at Illinois Institute of Technology, Chicago.

Mock, the son of Mr. and Mrs. Kermit L. Mock, 19 Logan Ave., is a member of the Delta Tau Delta fraternity, which sponsored him as its presidential candidate for next year's senior class.

Mock entered Illinois Tech in the fall of 1953. He was graduated from Glens Falls High School in June of that same year.

He is majoring in mechanical engineering and is a member of the Navy ROTC unit at Illinois Tech.

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6/1/56

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Malcolm L. MacKay, Westboro, Mass., has been elected 1956-57 president of the Illinois Tech Student Association, the student governing board of Illinois Institute of Technology, Chicggo.

MacKay, who will be a senior at Illinois Tech next year, ran on the United Independent ticket.

The son of Mr. and Mrs. James MacKay, Fisher St., MacKay entered Illinois Tech in 1953. He is majoring in chemical engineering.

He was graduated from Westboro High school in June of 1953.

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6/1/56

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ELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Robert W. Archer, 614 E. 102nd Pl., has been elected president of next year's first semester freshman class at Illinois Institute of Technology.

Archer, the son of Mr. and Mrs. Charles Archer, was the only write-in candidate to win in the campus election.

Archer was graduated from Fenger High School in January of this year and entered Illinois Tech in February. He is majoring in electrical engineering.

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6/1/56

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

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He is a member of the Illinois Tech Navy ROTC and served as treasurer of that unit last year.

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6/1/56

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6/1/56

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-vjd-

6/1/56

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RELEASE: At Will

From: Walter Yurk
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OR RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 546

Ten industrial companies and a chemical society have joined Armour Research Foundation of Illinois Institute of Technology in sponsoring the first International Ozone Conference in the United States.

The conference, scheduled for Nov. 28-30 at the Sheraton Hotel, Chicago, will be devoted to both applied and fundamental chemistry of ozone. Approximately 50 papers will be presented, some by eminent scientists from other nations.

Sponsors, in addition to the Foundation, are Aerojet-General Corp., Air Reduction Co., American Electroaire Co., E. I. Du Pont De Nemours and Co., Grace Chemical Research and Development Co., Groak Engineering Corp., Linde Air Products Co., Melco Products, Inc., Welsbach Corp., Westinghouse Electric Corp., and the Division of Industrial and Engineering Chemistry of the American Chemical Society.

Ozone, one of the most powerful oxidizing chemicals, has been a subject of research for more than 16 years at Armour Research Foundation.

A major purpose of the conference, according to Clark E. Thorp, conference chairman, will be consideration of industrial applications--current and potential--of ozone. Papers on the fundamental chemistry of ozone and its biological effects also will be presented.

Information concerning the conference can be obtained by writing Sidney Mittler, Armour Research Foundation, 10 West 35th St., Chicago 16, Ill.

6/4/56 -vjd-

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R RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

NOTE TO EDITORS: One or more students from your area (see enclosed list) will receive a degree at Illinois Tech's commencement. Here are the facts to go with the story.

Chicago--Degrees will be granted to 360 students Friday, June 8, at Illinois Institute of Technology's commencement exercises in Orchestra Hall.

Of this number, 283 will receive bachelor of science degrees, 55 master of science degrees, and 22 doctor of philosophy degrees. The ceremonies will begin at 8:15 p.m. with the academic procession.

Commencement speaker will be Leonard E. Read, president of the Foundation for Economic Education, Inc., Irvington-on-Hudson, N. Y. "Looking Out for Yourself" will be the title of his address.

Dr. John T. Rettaliata, president of Illinois Tech, will confer the degrees.

-vjd-

6/5/56

CANDIDATES FOR GRADUATE DEGREES

at

ILLINOIS INSTITUTE OF TECHNOLOGY

Degrees were conferred on 283 undergraduate and 77 graduate students Friday, June 8 at Illinois Institute of Technology's commencement exercises in Orchestra Hall, Chicago.

The following list of candidates for graduate degrees is provided in order that you may prepare a story on students from your area who received degrees.

Key to Abbreviations

Arch	Architecture	Math	Mathematics
AE	Art Education	ME	Mechanical Engineering
Bact	Bacteriology	Mech	Mechanics
Biochem	Biochemistry	Phot	Photography
BE	Business and Economics	Phys	Physics
CE	Civil Engineering	VD	Visual Design
ChE	Chemical Engineering	SciE	Science Education
Chem	Chemistry		
EE	Electrical Engineering		
IE	Industrial Engineering		

ILLINOIS

Arlington Heights		
Love, Daniel	MS-EE	23 Reuter Street
Aurora		
Fauth, Edward H.	MS-ME	536 Gates Street
Berwyn		
Kobialka, Arthur H.	MS-IE	7121 Stanley Avenue
Chicago		
Agnew, Louise	PHD-VD	880 Lake Shore Drive
Andres, C. L.	MS-BE	6416 S. Maplewood Avenue
Bernhardt, Edward C.	MS-BE	3643 N. Overhill Avenue
Betser, Abraham A.	PhD-Mech	5107 S. University Avenue
Bucich, Richard A.	MS-EE	9323 Euclid Avenue
Burack, Elmer H.	MS-BE	2206 W. Arthur Street

Celerier, Jacques	MS-ChE	6158 Kimbark Avenue
Chen, Kwan Yu	MS-ME	60 E. 32nd Street
Collins, Joseph Francis	MS-Met E	5628 S. Elizabeth Street
Connor, Frank Field	MS-Math	5740 Kimbark Avenue
Cukurs, Alfred	MS-CE	1018 N. Drake Avenue
Deutsch, Albert S.	PhD-Chem	3101 S. Wabash Avenue
DiLiddo, Bart Anthony	MS-ChE	3101 S. Wabash Avenue
Domnas, Aristotle J.	PhD-Biochem	60 E. 32nd Street
Feinman, Jerome	MS-ChE	740 E. 84th Place
Fleitman, Albert	MS-Met E	6827 East End Avenue
Gasior, Frank Stanley	MS-SciE	3810 W. 56th Place
Granath, John A.	MS-EE	4949 N. Lester Street
Idaszak, Leo	MS-ChE	2026 W. Webster Avenue
Jochum, Erich	MS-EE	714 W. Briar Place
Kawahira, Asao	MS-EE	3140 S. Michigan Avenue
Kim, Tong Soo	MS-ME	3140 S. Michigan Avenue
Kelly, Leo J. Jr.	MS-VD	5515 N. Forest Glen Avenue
Kolom, Lester Lee	MS-Psy	2045 W. Pierce Street
Kozin, Frank	PhD-Math	7948 St. Lawrence Avenue
Leondis, Alexander F.	MS-ME	6923 Greenview Avenue
Lippert, Jan W.	MS-Arch	3140 S. Michigan Avenue
Lukowicz, Arthur	MS-Met E	2218 N. Kilbourn Avenue
McDowell, Edward L.	PhD-Mech	3140 S. Michigan Avenue
McKiernan, Michael A.	PhD-Math	1056 Ardmore Avenue
McKee, Keith Earl	MS-CE	438 E. 109th Street
Meltzer, Bernard	MS-AE	905 Margate Terrace
Miner, Sydney M.	MS-BE	7518 N. Claremont Avenue
Naqvi, Saiyid M.	MS-Chem	1414 E. 59th Street
Petraitis, Anthony V.	MS-BE	4618 S. Talman Avenue
Saleme, Ernesto	PhD-Mech	5711 Kimbark Avenue
Siegel, Irene Yarovich	MS-AE	2025 N. Mohawk Avenue
Smith, Shelbert	PhD-Chem	806 E. 49th Street
Snow, Richard	PhD-Chem	3140 S. Michigan Avenue
Sotich, Charles A.	MS-ME	3851 W. 62nd Place
Speece, Daymond Roy	MS-EE	3200 S. Michigan Avenue
Stevens, Alan Robert	MS-BE	3951 S. Talman Avenue
Tedesco, Thomas	MS-Psy	1340 E. Hyde Park Boulevard
Tornheim, Harold	PhD-EE	4246 West End Avenue
Tsao, Keh Chang	MS-EE	3140 S. Michigan Avenue
Vilkas, Eugene	MS-ME	12601 S. Stewart Avenue
Wallman, Edwin J.	MS-EE	10634 S. Normal Avenue
Wester, Leon	MS-IE	2510 N. Bernard Street
Wilson, Charles O.	MS-BE	3749 W. School Street

-more-

Yeslin, Arthur R.	MS-Psy	811 Eastwood Avenue
Yonan, Peter K.	MS-Chem	4536 N. Greenview Avenue
Zaker, Thomas Allen	MS-Mech	60 E. 32nd Street

Elmhurst

Fisher, Edward S.	MS-Met E	499 St. Charles Road
Jonke, Albert A.	MS-ChE	264 Highview Avenue
Laskowski, Donald Edward	PhD-Chem	908 Chatham Street
Lindahl, Harold A.	PhD-ChE	507 W. St. Charles Road

Evanston

Raabe, Paul Herman Jr.	MS-ME	301 Custer Street
Stumpf, Folden Burt	PhD-Phys	914 Crove Street

Kankakee

Kurtz, Ernest A.	PhD-Psych	1134 E. Eagle Street

Lisle

Cook, William Howard	PhD-ME	Box 227

Naperville

Rodger, Walton A.	PhD-ChE	29 S. Loomis Street

North Aurora

Watson, Shirley Brownlee	PhD-Psy	103 Elm Street

Northbrook

Simon, Selwyn	MS-Bact	1009 Whitfield Road

Northfield

Cushing, Vincent J.	PhD-Phys	1971 Bosworth Lane

Oak Lawn

Van Thyne, Ray Joseph	MS-Met E	4040 W. 100th Street

Oak Park

Fredian, Alan James	PhD-Psy	843 Washington Boulevard
Sielaff, Richard W.	MS-Math	1125 S. Ridgeland Avenue

Park Ridge

Whiteman, Russell	MS-Math	500 N. Rose Street

Riverdale

Gilbert, Thomas Lewis	PhD-Phys	14318 Stewart Avenue

Skokie

Orensteen, Roger B.	PhD-BE	4245 Church Street

INDIANA

Hammond

Kalfadelis, Charles D.	MS-ChE	644 169th Street
Koenig, Harold P.	MS-BE	28 Wildwood Road

Highland

Lambert, William Newton	MS-Met E	8933 Branton Avenue

-more-

PENNSYLVANIA

Upper Darby			
	Ykema, John	MS-EE	2226 Dermond Avenue

FRANCE

Paris			
	Rabinovitch, Marilyn Ethel	MS-AE	

INDIA

Kistna Andhara			
	Rao, Myneni H. P.	MS-EE	Eddlanlanka, Avanigadda Post

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CANDIDATES FOR UNDERGRADUATE DEGREES

at

Illinois Institute of Technology

Degrees were conferred on 283 undergraduate and 77 graduate students Friday, June 8, at Illinois Institute of Technology's commencement exercises in Orchestra Hall, Chicago. The following list of candidates for undergraduate degrees is provided in order that you may prepare a story on students from your area who will be receiving degrees.

Key to Abbreviations

Arch	Architecture	IE	Industrial Engineering
BE	Business & Economics	LLP	Language, Literature & Philosophy
Biol	Biology		
ChE	Chemical Engineering	Math	Mathematics
Chem	Chemistry	ME	Mechanical Engineering
CE	Civil Engineering	Mech	Mechanics
EE	Electrical Engineering	MetE	Metallurgical Engineering
FP&SE	Fire Protection & Safety Engineering	PI	Property Insurance
		PD	Product Design
HE	Home Economics	Phys	Physics
ID	Institute of Design	PSS	Political & Social Science
Photo.	Photography	PsyE	Psychology & Education
FE	Food Engineering	Undes.	Undesignated

ILLINOIS

Arlington Heights			
	McFarland, Richard Arthur	MetE	1614 Johanna Terrace
Aurora			
	Bergman, Robert Scribner	Phys	210 Commonwealth Avenue
	Paterson, William L.	EE	69 Calumet Avenue
Bellwood			
	Kraft, George Joseph	EE	428 Englewood Avenue
	Stange, Raymond Paul	ME	1037 Rice Avenue
Bensenville			
	Gillstrom, Carl William	EE	605 W. Wood Street
Berkeley			
	Brunory, Robert John	Math	1532 Harding Avenue
Berwyn			
	Babka, Bernard Frank	Arch	3730 S. Cuyler Avenue
	Hays, Dennis Sherman	EE	3608 Euclid Avenue
	Lukes, Jerry James	CE	1512 S. Ridgeland Avenue
	Macek, Stanley James	ChE	1334 Wenonah Avenue
	Purcell, John Joseph	ME	1224 S. Grove Street
	Valihora, Stephan Milton	EE	4509 S. Harlem Avenue
	Van Beek, Ronald Henry	ME	1903 S. Euclid Avenue
	Yule, Lawrence Robert	EE	2405 S. Gunderson Avenue

Blue Island		
Schumacher, Thomas R.	BE	2524 Lewis Street
Calumet City		
Pinkstaff, Carlos Dean	ME	403 157th Street
Chicago		
Aito, Isamu	EE	537 N. Wells Street
Anderson, Joyce Ada	FE	11913 Yale Avenue
Anderson, Walter Ivar	EE	9233 S. Green Street
Attwood, Raymond George	ME	5215 W. Parker Avenue
Bagge, Henry Louis Jr.	ME	1447 Edgewater Avenue
Baize, Glover Cary	EE	1510 W. 70th Street
Banys, Rimas	CE	1125 W. 31st Street
Barr, James Michael	ChE	4327 N. Winchester Street
Bartosiewicz, Richard L.	Chem	3111 W. Lyndale Street
Becker, Fred Jr.	ChE	10343 S. Claremont Avenue
Berkowitz, Fred Irving	PsyE	4815 N. Bernard Street
Berryman, Jack Winston	EE	819 Windsor Avenue
Bouboutsis, George S.	Biol	1551 W. Division Street
Bright, Richard Albert	IE	3240 S. Michigan Avenue
Brooke, Elizabeth T.	HE	8141 S. Chappel Avenue
Bucki, Edward Francis	EE	4008 S. Talman Avenue
Budai, John Andrew	FP&SE	60 E. 32nd Street
Busca, Edward Lawrence	ME	424 W. Marquette Road
Callas, George Thomas	Arch	4913 N. Moody Avenue
Carlson, John Robert	CE	5315 N. Paulina Avenue
Carr, Donald George	ChE	1917 N. Central Park Avenue
Carter, Clarence Jessee	Undes.	1546 S. Homan Avenue
Chapman, Ronald Howard	EE	4856 N. Oak Park Avenue
Chiu, Planet	EE	1833 Belle Plane Avenue
Cohen, Leonard Max	EE	2516 W. Iowa Street
Conlan, Neil Crane	EE	5625 Winthrop Avenue
Conroy, William John	ME	6652 S. Parnell Avenue
Copeland, Jean Staken	HE	8047 S. Wood Street
Costello, Thomas Patrick	ME	5631 S. Emerald Avenue
Dachowski, Lawrence Wm.	PsyE	1253 W. Grace Street
Dal Corrobbo, Peter	ME	10441 Corliss Avenue
Davis, Paul Michael	FP&SE	7932 Chappel Avenue
Donovan, Edward Joseph	ME	3336 N. Lawndale Avenue
Dubisky, Michael John	EE	4602 S. California Avenue
Egan, David Francis	Phys	3859 Washington Blvd.
Erickson, Charles Aldor	ME	8030 Indiana Avenue
Escudier, Frederick Anton	PsyE	7113 S. Princeton Avenue
Everett, John Wallace	FP&SE	5515 N. Sawyer Avenue
Fisher, Suzanne Alice	HE	6819 Loleta Avenue
Fohrman, Martin Sol	CE	4842 N. Drake Avenue
Foley, Eugene Charles	ChE	10436 Rhodes Avenue
Friedlander, Fred Irwin	EE	7737 S. Yates Avenue
Gallagher, Raymond Elmer	Math	8241 S. Honore Street
Ganzel, Joseph Ronald	EE	60 E. 101st Street

-more-

Gasner, Earl Leroy	Chem	6144 S. Keating Avenue
Gil, Stanley Paul	CE	2243 W. Lyndale Street
Gironda, A. John	ChE	11710 S. Homan Avenue
Girlando, Benjamin William	BE	2033 W. Diversey Avenue
Gotlieb, David	IE	5043 S. Dorchester Avenue
Gray, Marcia Beverly	Arch	60 E. 32nd Street
Harper, Roger Lee	Chem	1800 S. State Street
Hartman, Gerald R.	FP&SE	929 Argyle Street
Havlik, Bernice Rose	Chem	5319 S. Parkside Avenue
Hayek, Myron Walter	BE	3200 S. Michigan Avenue
Hein, Richard Anthony	ME	5847 N. Campbell Avenue
Helm, Carl Manfred	Undes.	7237 N. Oleander Street
Heppner, Donald Richard	EE	1819 Wellington Avenue
Hern, Wilbur Lawrence	ID	1652 W. Farwell Avenue
Heugel, William Fredrick	ME	8413 S. Seeley Avenue
Hill, Franklin Andrew	BE	8029 S. Prairie Avenue
Hitzeman, Thomas Edward	EE	6106 S. Richmond Avenue
Hofer, Kenneth Emil Jr.	Math	6343 S. Oakley Avenue
Hudson, Earl Byron	EE	8030 S. Aberdeen Street
Hughes, John Arthur	EE	5226 W. Giddings Street
Hynes, Charles John	FP&SE	7618 Carpenter Street
Janes, John Michael	BE	3036 N. Kostner Avenue
Jann, Eldon George	EE	3140 S. Michigan Avenue
Johnson, Kenneth	ME	5642 N. Ridge Avenue
Kacmarek, Andrew Joseph	Chem	5125 S. Spaulding Avenue
Kanarish, Ronald E.	PD	5354 N. Francisco Avenue
Kawula, Chester	Phys	858 N. Wood Street
Kearney, John Stevens	Arch	8053 Honore Street
Kelleher, Warren John	EE	7345 S. Union Avenue
Kendron, James Hubert	EE	5221 W. Deming Place
Kimberly, John Alfred	ME	623 Barry Avenue
King, Laurence Patrick	Math	8326 S. May Street
Klosak, Eugene Joseph	ChE	4754 S. Campbell Street
Kroll, Morton Nahum	ME	3406 W. Catalpa Street
Kubilunas, Algird Kasper	EE	10435 S. Rhodes Avenue
Kunka, John George	Arch	2964 S. Loomis Street
Kunst, Gertrud	ChE	1461 W. Berwyn Avenue
Lee, Howard Allen	Math	7603 Sheridan Road
Levadi, Victor S.	EE	1901 E. 74th Street
Lewis, Joseph Francis	ME	7126 Paxton Avenue
Lill, Francis Joseph	IE	109 W. 109th Street
Linke, Raymond Arthur	Arch	3612 McLean Avenue
Lipman, Jerome Stephen	ME	5022 N. Sawyer Avenue
Lister, John Werner	EE	619 E. 100th Street
Macklin, David Nicholas	EE	7522 Crandon Avenue
Malhas, Waddah Sudqi	Biol	5494 Cornell Avenue
McDonough, John Michael	Chem	6608 S. Seeley Avenue
McKenney, Donald Joseph	ChE	6613 S. Carpenter Street
McMahon, Joseph James	EE	9804 S. Maryland Avenue
Mels, Kenneth Duane	ME	10831 Wallace Street
Migdal, Alex Howard	Biol	1031 N. Richmond Street
Mika, Paul Leon	Phys	2752 N. Bosworth Avenue
Mikosz, Joseph Andrew	ME	5741 W. Grace Street

-more-

Mindel, Irving, Nelson	EE	5727 S. Meade Street
Misiorowski, Richard John	ChE	4400 W. Albany Avenue
Miskell, Ronald Vincent	ME	7435 S. Dante Street
Molitor, Charles Anthony	BE	4430 N. Maplewood Street
Moltzan, Herbert John	Chem	11654 S. Wallace Avenue
Monti, Angelo	IE	5352 W. Deming Place
Morrison, William B.	Arch	4730 S. Michigan Avenue
Moss, Robert Graham	MetE	5062 W. Pensacola Avenue
Mueller, Thomas James	ME	4018 W. 58th Street
Murdock, Charles William	ChE	7951 S. Princeton Avenue
Murray, Louis Walter, Jr.	ME	9331 S. Lawndale Street
Needle, Morton Barry	Math	6146 N. Damen Avenue
Novotny, Donald Wayne	EE	11738 S. Harvard Avenue
Onishi, Harry Akio	EE	1260 Bryn Mawr Avenue
Osako, George Ryoji	Arch	2136 N. Sheffield Avenue
Park, Patricia E.	HE	225 S. Kilpatrick Avenue
Paterik, Frank John Jr.	ME	3300 S. Michigan Avenue
Patterson, James Dewart	BE	60 E. 32nd Street
Pauperas, John Jr.	ME	2209 S. Bell Street
Payton, Arthur David	Chem	4840 Wabansia Avenue
Peattie, Roderick Elia	Arch	1159 E. 56th Street
Piesker, Ronald Frederick	Phys	7300 W. Roscoe Street
Pellock, Lyle Edward	EE	4857 W. Schubert Street
Phillips, Philip Theodore	FE	4355 S. Sawyer Avenue
Plaut, Reinhard	Arch	60 E. 32nd Street
Poolos, Nick John	ME	2943 Sheffield Street
Purper, Donald Everett	ME	51 N. Lorel Avenue
Rekowski, Michael Jr.	EE	923 N. Keeler Avenue
Rimavicius, Antanas	Arch	6149 S. Marshfield Avenue
Ritzie, Robert Lewis	BE	3101 S. Wabash Avenue
Rubbey, Charles Chesters	EE	7353 Bennett Avenue
Rubinstein, Louis	FP&SE	5100 N. Hamlin Avenue
Russell, Scott John	ChE	
Samuels, Burton Lewis	Arch	3720 W. Granville Avenue
Sandmore, Donald Kenneth	ME	2822 W. 64th Street
Sargeant, Robert Allan	ME	900 N. Michigan Avenue
Satikas, Felix Anthony	ChE	2441 W. 67th Street
Schiffman, Fredric Marvin	IE	1511 Pratt Boulevard
Schmidt, William Fred	ME	3851 W. Lexington Avenue
Schwarz, Richard Frederick	FE	7369 N. Ridge Avenue
Scott, Frederick Lawson	ME	404 Winneconna Parkway
Senechalle, Lester John Jr.	Math	2240 W. 113th Street
Shaw, Leonard S.	IE	4440 N. Hazel Street
Silberg, Sylvan	EE	3013 W. Eastwood Avenue
Simak, William Frank	BE	1933 N. Fremont Street
Sinclair, Ronald Allen	ME	6009 S. Halsted Street
Squillaci, Joseph	Undes.	914 S. Claremont Avenue
Stachowski, Daniel Robert	ME	5022 S. Winchester Avenue
Stancik, John Wesley	ChE	3939 W. 59th Place
Stetz, John William	ChE	3251 N. Monticello Avenue
Stevenson, Robert Dale	EE	2301 N. Leavitt Street
Stieman, Thomas Henry	IE	13355 Indiana Avenue

-more-

Strand, John Norman	ChE	4218 W. Wabansia Street
Szymczak, Matthew	MetE	1232 W. 49th Place
Tamashunas, Edward	FP&SE	3101 S. Wabash Avenue
Tamburino, James Charles	ME	3223 N. Linder Avenue
Tarman, Paul Bernard	ChE	7823 Morgan Boulevard
Thullen, Edward John	FP&SE	451 W. 27th Street
Truesdale, William B.	CE	8032 Union Avenue
Turner, Richard Lawrence	ME	10112 South Park Avenue
Vandermeer, Roy Allen	MetE	10545 S. Wallace Avenue
Van Dorpe, Daniel Thomas	CE	4824 Wrightwood Avenue
Vaughan, Byrl James	EE	4944 N. Washtenaw Street
Venice, Nicholas John	CE	5009 W. Quincy Street
Vezys, Gintautas	ME	6626 S. Green Street
Wachtel, Ronald Earle	Chem	4224 W. Maypole Street
Walach, Paul	ME	3756 N. New England Street
Weller, Frank Charles	ME	3116 S. Parnell Street
Wielgus, Ronald Stanley	Arch	2714 S. Homan Avenue
Wlassow, Serges	EE	1449 North Park Avenue
Wolff, Marilyn Jean	TD	5923 W. Newport Avenue
Wolk, Theodore Everett	EE	6637 S. Fairfield Avenue
Zimbler, Fred B.	EE	5145 Lincoln Avenue

Cicero

Cossa, Anthony Joseph	EE	1427 S. 59th Avenue
Dugovic, George Richard	ChE	5209 W. 24th Street
Kostrzewski, Robert T.	ChE	5218 W. 22nd Place
Kudrna, George Frank	ME	1521 S. 58th Avenue
Kuskowski, Robert Louis	EE	2945 S. 48th Court
Roberts, Arthur Wayne	Math	2519 S. 61st Street

Crete

Clements, Leonard Daniel	EE	Box 324-16

DesPlaines

Malten, George Robert	ME	2119 Chase Avenue

Deerfield

Erickson, Virgil I.	IE	5 Wildwood Lane

Dundee

Dusold, George John	ME	Rt. 2 Box 367

Elmhurst

Gula, Henry Edward	EE	Milton and Elm Streets
Lewis, Eugene Martin	CE	440 N. York Street
O'Malley, Stephen Francis	EE	839 S. Chatham Street

Evanston

Deuble, David Alden	Arch	950 Mulford Street

Evergreen Park

Bergmann, Ernest Paul		9705 S. Avers Avenue

-more-

Merrill, Grant Clare	Phys	9314 S. Clifton Parkway
Fox Lake		
Herich, Arnold Alfred	Arch	212 Grand Avenue
Franklin Park		
Guimon, Michael James	ME	3126 Sunset Lane
Glen Ellyn		
Gibbs, Frederick William	ME	212 Sunset Avenue
Harvey		
Miller, Donald Francis	CE	14928 S. Washtenaw Street
Unik, John Peter	Chem	15240 Center Avenue
Hazelcrest		
Chittenden, David Henry	ChE	16937 Anthony Avenue
Homewood		
Olsen, William Adelbert	FP&SE	17615 Lincoln Avenue
Hopedale		
Mark, Ruth Ann	Undes.	
Ingleside		
Egerter, Robert Joseph	FP&SE	Long Lake
La Grange		
Hyndman, Paul Alexander	IE	621 S. 9th Avenue
La Grange Park		
Hopper, George Robert	IE	636 Kremman Avenue
Maywood		
Diener, Walter Caleb	ME	307 N. Third Avenue
Eyre, Marlene A.	HE	1241 S. 19th Avenue
Merrionette Park		
Cook, John Barrett	BE	3125 Whipple Drive
Mokena		
Kropp, David Arthur	ID	24 E. Third Street
Oak Lawn		
Burns, John Hugh	FP&SE	8034 S. Narragansett Street
Koppen, Eldridge Chester	Undes.	8505 S. Latrobe Avenue
Mishur, Gerald Joseph	ChE	8513 S. Parkside Avenue
Oldendorf, Lawrence Edward	FP&SE	7959 S. Lavergne Street
Oak Park		
Cormack, James Bernard	Math	820 Gunderson Avenue
Gross, George Edward	IE	836 S. Maple Avenue
Halm, Richard Robert	ChE	638 S. Scoville Avenue
O'Blasny, Richard Henry	ChE	442 Lombard Avenue
Thorn, William Martin	EE	447 S. Kenilworth Avenue

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Park Forest			
	Crothers, Thomas Thomson	IE	53 Blackhawk Drive
	Thmis, Wendl	ME	331 Ottawa Street
Palos Heights			
	Erickson, James Edward	ChE	7304 W. Palos Avenue
Palos Park			
	Reiner, Erwin John	ME	Rt. 1, Box 8 B
Park Ridge			
	Rischke, James Francis	EE	804 S. Home Street
River Grove			
	Neupute, John Anton	IE	8727 Belden Street
Robbins			
	Smith, Wilbur G.	Phys	13403 Ridgeway Avenue
Villa Park			
	Lloyd, William Charles	IE	40 S. Oakland Avenue
Waukegan			
	Van Parys, John Adolph	ME	101 S. Butrick Street
Winnetka			
	Booth, Leonard John	ME	333 Fairview Avenue
	Macomber, Clark Charles	ID	330 Walnut Street
Worth			
	Sasveld, Allan Roy	ChE	120th Street and 52nd Avenue

CALIFORNIA

Los Angeles			
	Small, Sherwin Earl	Arch	649 S. Barrington Street
West Sacramento			
	Loutensock, Wayne Reese	EE	1507 Alabama Avenue

COLORADO

Westminister			
	Herman, Lee Paul	FP&SE	3316 W. 73rd Avenue

INDIANA

Gary			
	Pado, Michael Joseph	Arch	748 Polk Street
	Pado, Thomas Francis	Arch	748 Polk Street
Indianapolis			
	Geupel, David Alan	ChE	354 S. Lorrain Road

-more-

MARYLAND

Baltimore			
	Barr, Victor Malcolm	IE	21 Left Aileron Street

MICHIGAN

Detroit			
	McFarland, Donald Fred	Undes.	6354 W. Layfayette Street
Marquette			
	Bocklund, Daniel Dean	Undes.	Rt. #1, Box 405
Wallace			
	Anderson, Elton Wesley	EE	

MINNESOTA

St. Paul			
	Van Krevelen, Richard C.	CE	1611 James Avenue

MISSOURI

Independence			
	Polfer, Clarence Ronald	IE	1011 S. Liberty Street

NEW YORK

Flushing			
	Rice, Bernard Patrick	Arch	43-42 159th Street
Freeport			
	Bordell, Frank Leon	Phys	297 N. Long Beach Avenue
Mt. Kisco			
	Lenz, Cynthia	Arch	Old Roaring Brook Road
New York			
	Broun, Richard Hadas	Arch	51 Fifth Avenue
	Casademont, Leonore	IE	40 E. 49th Street
	Francino, Torrence Peter	ChE	96-28 42nd Avenue, Corona 68
	Partan, Ralph Aramis	Arch	1173 Grand Concourse
	Zeitlin, Philip	Arch	475 F.D.R. Drive, L 701
Rensselaer			
	Wallace, William Alan	ChE	Rt.#1
Westbury			
	Gralow, Richard Thomas	PsyE	235 Friends Lane
Yonkers			
	Soss, William John	Math	480 S. Broadway

OHIO

Berea			
	Drager, Raymond Paul	CE	94 Eastland Road

more

Cleveland			
	Schroeder, Rolf Robert	ChE	4115 E. 146th Street
	Stevenson, Robert Dale	EE	489 E. 114th Street
Elyria			
	Forsyth, Otis Frederick	EE	204 Harrison Street
Lima			
	Westhaus, Harry Thomas	FP&SE	811 Brice Avenue
	PENNSYLVANIA		
Butler			
	Aaron, Lawrence Edward	Arch	Mounted Route 10
	WASHINGTON		
Yakima			
	Johnson, James Gordon	ME	104 N. 22nd Avenue
	WEST VIRGINIA		
Inwood			
	Marcus, Ronald Erwin	ME	
	WISCONSIN		
Fort Atkinson			
	Gehred, Thomas Allen	ME	411 Taft Street
Glidden			
	Metz, Norman Joseph	EE	
Milwaukee			
	Pollak, Jerry Leslie	Arch	400 E. Belle Avenue
	CANADA		
Waterloo, Quebec			
	Davidson, Donald Shefford	ID	51 Mountain Street
	COLOMBIA		
Cali			
	Botero O'Byrne, Hernando	Arch	Avenida 6-A, #2407
	PUERTO RICO		
Humacho			
	Cruz, Juan Bautista	Arch	Calle Padre Rivers # 6
Santurce			
	Godreau-Robles, Guillermo	ME	512 William Jones
	FORMOSA		
Taipei			
	Hsiao, Cynthia	EE	45 Hsin-yi Road III

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LINOIS INSTITUTE OF TECHNOLOGY
35 WEST 33RD STREET TECHNOLOGY CENTER CHICAGO 16, ILLINOIS

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Night phone:
University 4-4677

R RELEASE: Advance

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

ADVANCE FOR RELEASE AFTER 8 P.M. (CDT) FRIDAY, JUNE 8, 1956

You are trained as specialists, but don't let yourself become "too busy" to read, study, and meditate on the general problem of man's proper relationships to man.

Leonard E. Read, president of the Foundation for Economic Education, Inc., Irvington-on-Hudson, N.Y., charged graduates of Illinois Institute of Technology, Chicago, with this message at commencement exercises tonight (June 8).

Speaking before 360 recipients of bachelor and advanced degrees in Orchestra Hall, Read noted a dangerous trend on the part of specialists.

"Specialists, the cream of the crop in intellectural and spiritual potentialities, tend to neglect the vital problems of relationships between men," he asserted.

Read, president of the Irvington Press and author of numerous books on politics and economics, said that specialization has its unquestioned blessings.

"When practiced by whole men, by those who reflect on the meaning of life, who have an acquaintance with the humanities, and in a society where creative energies are uninhibited, specialization is the road to material wealth," he said.

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6/6/56

Read indicated that, in his opinion, material wealth can lead to intellectual and spiritual wealth.

He cautioned his audience not to think of material wealth as an end in itself, but rather, like specialization, as the means to higher ends--intellectual and spiritual wealth.

Counselling the graduates, Read said that the future can be extraordinarily promising if they don't become isolated, each in his own speciality.

"There are many brilliant but lost specialists in industry today, persons who cannot be promoted into higher positions because of a narrowness in their scope," he said. "They lack an interest in the problems of others on whom they depend, and an understanding of the society in which it is their lot to live."

Read urged the graduates to learn to look out for themselves.

"If you intelligently look out for yourself, you will thereby follow they way of life most valuable to others," he stated.

"Materially, intellectually, and spiritually, a person is limited to what he can do for any other person by what he has to give, by how well he has looked out for himself in these areas," Read said.

"Once we have grasped the idea that the best way to help others is first to look out for ourselves," Read said, "we should next consider how important it is that we do help others."

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END ADVANCE FOR RELEASE AFTER 8 P.M. (CDT) FRIDAY, JUNE 8, 1956

ILLINOIS INSTITUTE OF TECHNOLOGY
35 WEST 33RD STREET TECHNOLOGY CENTER CHICAGO 16, ILLINOIS

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Night phone:
University 4-4677

OR RELEASE: Immediate

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

A Chicago scientist has been named the only foreign member of a research advisory council for the Government of Burma.

He is Dr. Christopher E. Barthel, Jr., assistant director at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Barthel has been appointed to the Burma Research Council, a body formed to advise Burma on scientific and engineering matters, according to Paul B. W. Gollong, manager of the ARF international department.

Barthel was selected "in view of the services he rendered towards the development of scientific and engineering applied research program in Burma."

Barthel has served as director-general of the Union of Burma Applied Research Institute at Rangoon since 1953 when Armour Research Foundation undertook reorganization and expansion of the Institute's long-range research and development program and the formation of the present Institute staff.

The Burma Research Council, composed of 20 members has been established to advise and counsel the Government of Burma and the Burma Research Board, governing body of the Union of Burma Applied Research Institute, on scientific and engineering matters important for the development of the country, Gollong explained.

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The council will assist the government in coordinating the applied research activities in Burma, recommend effective research programs, encourage the professional activities of existing scientific and engineering societies, maintain liaison with research councils of other nations, and, in general, promote the national welfare through science and engineering.

Barthel will return to his post at the Foundation later this summer. He, his wife, and their two children, Christopher III and Julia, will return to their former home at 1545 Spruce St., Northbrook, Ill.

Barthel is engineering adviser to the Encyclopedia Britannica and formerly was chairman of the National Electronics Conference, president of the Chicago Technical Council, and a member of the Northbrook board of library directors.

His memberships include the American Association for the Advancement of Science, American Society for Engineering Education, American Physical Society, Optical Society of America, Physics Club of Chicago, Cook County Public Health Council, Photographic Engineers of Chicago and the Optical Society of Chicago.

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Night phone:
University 4-4677

FOR RELEASE: Sunday, June 10, 1956

From: Frank Judd
CAlumet 5-9600
Ext. 546

Construction will be started Monday, June 11, on Illinois Institute of Technology's new $1 million electrical engineering-physics classroom and laboratory building.

A brief ground breaking ceremony will be held at 2 p.m. on the building site at the southeast intersection of Dearborn and 33rd Sts., following a luncheon on the campus for the Institute's trustees.

Participants in the event will be: James D. Cunningham, president of Republic Flow Meters Co., and chairman of the IIT board of trustees; David T. Siegel, president of Ohmite Manufacturing Co., and IIT board member; President John T. Rettaliata, and Drs. Edwin R. Whitehead and Paul L. Copeland, directors of the electrical engineering and physics departments, respectively, which will be housed in the building.

The new structure will be the 21st new building to be added to the 110-acre Technology Center on Chicago's near south side since the campus development program was launched in 1943.

The building will provide 65,000 square feet of additional instruction space on three floors and basement. It will contain six large laboratories, a 300-seat auditorium, classrooms, offices, and Illinois Tech's A-C network calculator.

The new facilities, according to Rettaliata, "are especially needed to replace older ones and to accommodate qualified students whose education will help alleviate the nation's critical shortage of engineers and scientists."

-more-

6/7/56

The building will be similar in appearance to other modern campus structures having an exposed steel skeleton and being enclosed with plate glass above a low brick base.

Like the other campus buildings, it was designed by Ludwig Mies van der Rohe, director of the Institute's department of architecture. Pace Associates is associate architect.

-vjd-

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Illinois Institute of Technology will award its first doctor of philosophy degree in business and economics at commencement exercises Friday, June 8.

The recipient will be Roger B. Orensteen, 4245 Church St., Skokie, Ill.

Dr. Pearce Davis, chairman of the business and economics department, said the degree demonstrates the expanding importance of management program studies in the Institute's curriculum.

Orensteen earned his doctorate under a fellowship from the Machinery and Allied Products Institute which helped to establish the National Center of Education and Research in Dynamic Equipment Policy at Illinois Tech in the fall of 1953. The center promotes scientific methods in the acquisition of new equipment and replacement of worn-out or obsolete goods.

Orensteen received his bachelor of science degree in 1949 in industrial engineering and his master of science degree in business and engineering administration in 1950, both from Illinois Tech.

He attended Senn High School in Chicago, is married and the father of two children.

Illinois Tech commencement exercises will be held at 8:15 p.m. Friday in Orchestra hall, 216 S. Michigan Ave.

6/7/56 -vjd-

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Charles C. Cromer, Logansport, Ind., has been elected treasurer of the 1956-57 Illinois Tech Student Association at Illinois Institute of Technology, Chicago.

Cromer, the son of Mr. and Mrs. Oscar D. Cromer, 1010 W. Market St., is majoring in mechanical engineering at IIT. A graduate of Logansport High School, he entered Illinois Tech in the fall of 1953.

He also has been elected treasurer of the Navy ROTC unit at Illinois Tech.

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6/8/56

ILLINOIS INSTITUTE OF TECHNOLOGY

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RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Peter P. Stirbis, 6227 S. Kenneth Ave., has been elected independent member-at-large of the Illinois Tech Student Association, student governing board at Illinois Institute of Technology.

The son of Mr. and Mrs. Alex Stirbis, he entered Illinois Tech in 1953 after he was graduated from St. Rita High School. He is a member of the Illinois Tech swimming team and is majoring in mechanical engineering.

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6/8/56

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

SPECIAL TO THE ALBANY-NORTH PARK TIMES

Lou Rubinstein, an Air Force ROTC cadet at Illinois Institute of Technology, has been awarded the Air Force Association medal for outstanding academic and military accomplishment.

The son of Mrs. Bella Rubinstein, 5100 N. Hamlin Ave., Rubinstein was given the award for excellence in scholarship and leadership as the outstanding member of the Arnold Air Society.

Rubinstein will be graduated June 8 from Illinois Tech with a bachelor of science degree in fire protection and safety engineering. The same day he will receive his commission as a second lieutenant in the Air Force.

A graduate of Von Steuben high school, Rubinstein has been active in IIT campus organizations including the Arnold Air Society, the interfraternity council, and Alpha Epsilon Pi, social fraternity.

-30-

6/7/56

Immediate

From: Sara Leonard
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Ext. 2213

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6/1/56

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Elaine C. Point, 5628 S. Laflin St., has been elected secretary of the 1956-57 Illinois Tech Student Association at Illinois Institute of Technology.

Miss Point, the daughter of Mr. and Mrs. Edward C. Point, is majoring in home economics. She was graduated from Lindblom High School and entered Illinois Tech in the fall of 1953.

She also was elected secretary of next year's senior class at IIT. She is a cheerleader and has served on the staffs of Tech News, student newspaper, and the Integral, student yearbook.

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6/8/56

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Carl Kustin, 6328 Irving Park Road., has been elected president of the Interfraternity Council at Illinois Institute of Technology.

Kustin, the son of Mr. and Mrs. Carl Kustin, is majoring in metallurgy engineering at Illinois Tech. A graduate of Lane Tech High School, he entered IIT in the fall of 1953.

Kustin is a member of the Alpha Sigma Phi fraternity. He served as treasurer of his freshman class at Illinois Tech, is a member of the IIT wrestling team, and was on this year's committee for Technorama, Illinois Tech's annual open hours.

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Nancy Marianne Vierling, 4824 W. Belden Ave., has been elected president of the Illinois Tech Woman's Association at Illinois Institute of Technology.

Miss Vierling, the daughter of Mr. and Mrs. Philip Vierling, is majoring in business and economics. She was graduated from Foreman High School in June of 1953 and entered Illinois Tech that fall.

She is a member of the Delta Zeta sorority, a cheerleader, on the staff of the student newspaper, and served on the committee for Technorama, IIT's annual open house.

Miss Vierling was secretary of the freshmen and sophomore classes at IIT, served as treasurer of her sorority for two years and was on the board of control of Illinois Tech Woman's Association in her sophomore and junior years.

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6/8/56

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FOR RELEASE: [illegible]

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OR RELEASE:

Memorandum to: CITY EDITORS AND PHOTO EDITORS

Subject: GROUND BREAKING CEREMONY FOR NEW HOME OF ILLINOIS INSTITUTE OF TECHNOLOGY'S DEPARTMENTS OF ELECTRICAL ENGINEERING AND PHYSICS

Time and Place: 2 P.M. (CDT) MONDAY, JUNE 11, SOUTHEAST INTERSECTION OF DEARBORN AND 33RD STS.

Ground will be broken at 2 p.m. Monday, June 11, for Illinois Tech's new $1 million electrical engineering-physics classroom and laboratory building, which will provide 65,000 square feet of additional instruction space. It will be the 21st modern structure to be added to the Illinois Tech campus since the Institute launched its development program a dozen years ago.

Participants will be:

James D. Cunningham, chairman of the Illinois Tech board of trustees and president of Republic Flow Meters Co.

David T. Siegel, IIT trustee and president of Ohmite Manufacturing Co., manufacturer of electronic components.

Dr. John T. Rettaliata, president of Illinois Tech.

Dr. Edwin R. Whitehead, director of the IIT electrical engineering department.

Dr. Paul L. Copeland, chairman of IIT physics department.

There will be short addresses by Mr. Cunningham and Dr. Rettaliata.

You are invited to send a representative to this event. I shall be on hand to render any assistance your reporter and/or photographer may require.

--Frank Judd
CAlumet 5-9600
Ext. 546

6/8/56

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

A competition among art students in Chicago public schools will reward winners with free tuition to the Saturday morning junior workshop at the Institute of Design of Illinois Institute of Technology.

Deadline for the competition--open to all advanced students in Chicago public high schools--is June 10, according to Dr. Ann Lally, director of art in the public schools.

Students' entries are being submitted by high school art teachers and will be judged by prominent are educators, pointed out Jay Doblin, director of the Institute of Design.

The Saturday morning workshop is directed by John Waddell, head of art education at the Institute of Design. The class is conducted especially for high school students interested in art and design.

Included in the course will be instruction and work shop practice in visual design, photography, sculpture, and painting. It is open to all interested high school students.

The class will meet from 9 a.m. to noon, beginning Sept. 29, in IIT's Crown Hall, 10 W. 34th St.

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OR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Five new instructors have been appointed to the faculty of Illinois Institute of Technology, Chicago, effective this fall, President John T. Rettaliata has announced.

They are: Robert W. Estin and Earl F. Zwicker, physics; Ira G. Salisbury, psychology; Richard J. Mihalek, mathematics; and Raymond R. Fink, Institute of Design.

Estin, 2049 E. 68th St., received his bachelor of science degree from Illinois Tech in 1953 and his master's degree from IIT in 1955.

Zwicker, 3140 S. Michigan Ave., was granted a bachelor of science degree from the University of Wisconsin in 1948 and his master's degree in 1952 from Illinois Tech.

Salisbury, 1345 S. 61st Ave., Cicero, Ill., received his bachelor's degree in 1949 from the University of Michigan and his master of arts degree from there in 1950. He got his doctorate from Illinois Tech in 1955.

Mihalek, 4026 N. Kilpatrick Ave., was awarded bachelor of science and master's degrees from Illinois Tech in 1951 and 1953, respectively.

Fink, 1543 N. Wells St., will be in charge of the product design laboratory at the Institute of Design, a department of Illinois Tech. He received his bachelor of science degree in 1951 from the Chicago Art Institute and his master of science degree in art education from Illinois Tech in 1954.

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6/12/56

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FOR RELEASE: At Will

From: Frank Judd
CAlumet 5-9600
Ext. 546

Problems concerned with hearing impairment will be among the subjects considered at the seventh annual Noise Abatement Symposium to be held in Chicago Oct. 11 and 12.

Four papers dealing with several aspects of industrial hearing loss--a matter of special interest to industry in states in which hearing loss compensation laws are in force or being considered--will be considered at the Oct. 12 morning session.

The talks will cover legal phases of the problem, hearing loss compensation laws, the use of audiometers, and clinical experience with automatic audiometers.

Three other half-day sessions devoted to machinery and transportation noises and the control of noise through architectural design will complete the two-day meeting, which will be held at the Hotel Sherman.

Several hundred scientists, engineers, architects, manufacturers, physicians, and civic authorities are expected to attend the symposium, according to Guy J. Sanders, supervisor of noise and vibration control research at Armour Research Foundation of Illinois Institute of Technology, one of the sponsoring organizations.

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6/13/56

Noise symposium--add 1

Six papers on reducing machinery noise will be presented Oct. 11. Their subjects will be: jet engine noise reduction; estimating aircraft noise disturbance in building design; materials and techniques for damping vibrating panels; preventing noise in pump systems; controlling multiple noise sources by proper phasing, and reduction of transformer noise by enclosures.

The Oct. 12 afternoon session, titled "Quieting a Noisy Environment," will cover the following: acoustical engineering principles of noise reduction; retaining high sound transmission loss in modern factories; use of partial enclosures to reduce noise in factories, and reduction of noise in factory offices.

To accommodate an expected increased attendance, the 1956 symposium will be held at the Hotel Sherman instead of the campus of Illinois Institute of Technology, the site of previous meetings. Approximately 300 persons attended the 1955 symposium.

Symposium co-sponsors with Armour Research Foundation are Acoustical Society of America, American Society of Safety Engineers, National Noise Abatement Council, American Society of Planning Officials, American Industrial Hygiene Association, and Acoustical Materials Association.

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Two Chicago youths have won 1-year scholarships to Illinois Institute of Technology in the annual high school technical drawing contest.

They are William J. Gudinas, 2517 W. 43rd St., senior at Kelly High School, and Wayne P. Stewart, 5843 N. Marmora Ave., senior at Taft High School.

The two placed first in a contest conducted in 38 Chicago public high schools with approximately 4,000 students participating. Ninty-two other prizes, mostly drawing equipment, were awarded in addition to the scholarships.

The contest consisted of a standard drawing project in each of five different divisions and was conducted under the direction of Prof. Eugene Pare, of the technical drawing department at Illinois Tech, and Warren A. Koerner, supervisor of drafting for the Chicago public school system.

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6/13/56

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R RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Indian legends as the Indians of the old northwest told them around their campfires are available to contemporary readers for the first time through the work of a professor at Illinois Institute of Technology, Chicago.

Dr. Mentor L. Williams, professor of language, literature and philosophy, is the editor of "Schoolcraft's Indian Legends," recently published by the Michigan State University Press.

For many years unavailable except in rare book collections, Schoolcraft's Indian legends have lain unnoticed for almost a century. Dr. Williams collected and edited Schoolcraft's stories, thus making them available to today's readers for the first time.

Henry Rowe Schoolcraft, who recorded the legends of midwestern Indians and published them in English, was an Indian agent at Sault Ste. Marie during the 1820's. His writings are considered responsible for the popularization of oral Indian literature.

Married to the half-Chippewa daughter of a Sault trading family, Schoolcraft learned the Indians' language and became the friend of many of them. In his dealings with local tribes he became aware of stories and tales they told and retold during their leisure.

6/13/56 -more-

Schoolcraft recorded these stories as the Indians related them to him, so that they would not lose, he said, "the roughness that gave them their characteristic originality."

The Indian legends noted by Schoolcraft were first published in book form in 1839. From this volume many writers of Indian lore drew their inspiration.

In fact, Longfellow based his "Song of Hiawatha" on legends first translated from the Indian by Schoolcraft.

In preparing the original manuscript for publication Williams kept strictly to the original text, adding footnotes where necessary. He also has included an introduction appraising Schoolcraft.

Schoolcraft is somewhat of a speciality with Williams. Previously he edited "Schoolcraft's Narrative Journal of Travels," a record of the famous Cass expedition which left Detroit in May 1820 and by September had explored the principal waterways of Michigan, Minnesota, and Wisconsin, including Lake Superior and Lake Michigan.

Now acting head of the department of language, literature and philosophy at Illinois Tech, Williams lives at 1055 Chatfield Road, Winnetka, Ill.

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OR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Fish beware!

A new lure has been developed that fish may be unable to resist.

Unlike most lures now on the market--which get their action from being pulled through the water--this new device, called a "Wiggle Minnow," is wound above water like the mechanism of a toy automobile.

The lure then is dropped in the water and as the spring unwinds it oscillates the tail fin, which makes the device look like a loitering nervous minnow.

A fish lure, as all fishermen know, is much like a hula dancer--the more it wiggles the more it will appeal to what it's supposed to appeal to.

The mechanism that supplies the minnow with this most appealing wiggle was developed at Armour Research Foundation of Illinois Institute of Technology, Chicago, for W.C. Wilson, an inventor from Senath, Mo.

6/14/56 -more-

Fish will not have to worry about the irresistible appeal of the lure for some time to come, however. Wilson said it may be a year or two before the device is manufactured and marketed.

Robert Rosenblum, ARF assistant supervisor of the antiaircraft systems section, said the lure operates for $3\frac{1}{2}$ minutes out of water and about 4 minutes in water--sufficient time to entice even a reluctant fish to the bait.

The clock-type mechanism consists of a steel power spring and a ratchet to wind it. A gear train gives the tail the proper speed or power output. The escapement mechanism governs the running time.

The entire mechanism is two inches long and three-quaters of an inch in height and width. The skin of the minnow is made of plastic.

Rosenblum pointed out that the tiny mechanism may be even more valuable to the toy industry because of its compact package and long running time. A patent has been applied for on the operating mechanism.

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FOR RELEASE: Monday, June 18, 1956

From: Sara Lecnard
CAlumet 5-9600
Ext. 2213

Chicago--Most people think the day when they can step up to a telephone and see the person they are talking to as well as hear him is far off in the future.

Not Petras Aleksa, a student at the Institute of Design of Illinois Institute of Technology, Chicago.

Aleksa is so optimistic that phonevision soon will be an accepted means of communication that he has designed a phonevision phone booth. The booth is planned so that it can be used now with a regular telephone mechanism and can be converted easily to phonevision equipment.

A junior majoring in product design at the Institute of Design, Aleksa designed the futuristic phone shelter for an open house exhibit at IIT.

According to Aleksa, the graceful free-form structure is designed especially for use in parks and natural wooded areas.

"However," he said, "we might try it on a city street. Its curving shape might prove an interesting contrast to the rows of angular buildings that fill our cities."

The white and blue prototype was build by Aleksa of plaster and wood. "In mass production," he said, "it could be made of moulded fiberglass, metal, or plastic. Use of various color combinations would make the booth interesting visually."

Commenting on Aleksa's work, Jay Doblin, prominent industrial designer and director of the Institute of Design, said, "Multi-colored phone booths like this one would be most pleasing against the greenery of any park or natural recreation area."

The flowing structure rises gracefully from a slender pedestal to form a rounded canopy over the user's head. The entire shelter is anchored in a wide flat base that gives it stability. In actual use it could be set in concrete.

In using the phone booth, a person stands jack-in-the-pulpit-like under the canopy. He faces the inside of the booth. The concave canopy shelters the user from sun and bad weather.

Whether the booth is used for present telephones or for phonevision its canopy shell is shaped so the privacy and comfort are assured.

A native of Lithuania, Aleksa escaped from Russian terriorists in 1944. Entering the United States as a displaced person, he started at Illinois Tech as an evening student.

In 1953 Aleksa enrolled as a full-time student at the Institute of Design, a degree-granting department of IIT. He has been the recipient of a scholarship from the Federal Tool Corp., Chicago. With the aid of scholarships and his wife, whose work helps support them, Aleksa hopes to finish his studies in 1957. He lives at 3432 S. Union Ave.

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OR RELEASE:

At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

A Taft High School senior has been awarded a scholarship to Illinois Institute of Technology in a contest aimed at encouraging more Chicago students to embark on scientific and engineering careers.

Winner of the award is David C. Peterson, son of Mrs. Alice A. Peterson, 6525 N. Sayre St. He will enter Illinois Tech in the fall.

He was one of 129 Chicago high school students recommended by members of the Chicago Physics Teachers' Club to take an examination conducted by Dr. Paul Copeland, chairman of the IIT physics department.

Ramira A. Montalvo, 2456 N. Kimball Ave., a student at Kelvyn Park High School, placed second; David A. Resnik, 1371 E. 50th St., and Richard W. Prupes, 2142 E. 69th St., both of Hyde Park High School, won third and fourth place, respectively. Each was awarded a sliderule.

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6/15/56

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Two more colleges have joined with Illinois Institute of Technology, Chicago, in offering both a liberal arts and engineering education in five years.

The plan will become effective this fall at Principia College, Elsah, Ill., and Ripon College, Ripon, Wis., according to Dr. Ralph G. Owens, dean of engineering at IIT.

This brings to 27 the number of schools that are participating with Illinois Tech in the combined education program.

The plan is designed to help meet the growing need for engineers and, at the same time, provide students with the broad educational background necessary to prepare them for increased responsibilities in industrial and community life.

Under the program, students follow a liberal arts course at one of the cooperating colleges for three years and then study in one of the eight engineering fields for two years at Illinois Tech.

Upon successful completion of the five-year combined program, the student receives a bachelor of arts or science degree from the liberal arts college and an engineering degree from Illinois Tech.

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6/18/56

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OR RELEASE:

Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 574

A paper on "Material Handling--the Answer to a Bearing Problem" has been awarded first prize in the annual Wunsch Foundation materials handling contest at Illinois Institute of Technology.

The $100 first place award went to Thomas J. Dolan, 8053 S. Loomis Blvd., Chicago, a January mechanical engineering graduate of Illinois Tech.

The contest was established by the Wunsch Foundation of the Silent Hoist and Crane Co., Brooklyn, N.Y., to stimulate interest among engineering students in the science and application of materials handling.

Herbert V. Cork, Jr., 8125 S. Merrill Ave., Chicago, won the $50 prize. An industrial engineering graduate student in IIT's evening division, Cork wrote a paper on "Preferred Procedure for Solutions of Methods Problems."

Honorable mention went to Edward O. Ferdinand, 11224 Avenue M, Chicago, third place, and Frank T. Blazowski, 945 W. 31st Pl., Chicago, fourth place, both evening students.

All contest entries dealt with some aspect of materials handling, according to Dr. Paul H. Randolph, assistant professor of industrial engineering and chairman of the IIT faculty board of review.

-vjd-

6/18/56

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Registration for summer classes at Illinois Institute of Technology, Chicago, will be held Wednesday and Thursday, June 20 and 21, in the Illinois Tech Chemistry Building, 33rd and Dearborn Sts.

More than 100 day and evening courses, on both undergraduate and graduate levels, will be offered during the eight-week session beginning June 25.

Evening students will register for the eight-week session June 20, from 6 to 8 p.m. Day students will register June 21 from 8:15 a.m. to 3 p.m.

An art education program arranged especially for vacationing teachers will be offered in IIT's Institute of Design, according to Raymond D. Meade, summer session director. The program includes seven graduate-level courses in visual fundamentals, sculpture, history and theory of art education, and photography in art education.

Summer courses also will be given in the following departments of Illinois Tech:

Biology; business and economics; chemical engineering; chemistry; civil engineering; electrical engineering; home economics; industrial engineering; language, literature, and philosophy; mathematics; mechanical engineering; mechanics; metallurgical engineering; physics; political and social science; psychology and education, and technical drawing.

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OR RELEASE: Immediate

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Chicago--Science is seeking a way to eliminate the tell-tale vapor trails of jet airplanes.

The Air Force has contracted Armour Research Foundation of Illinois Institute of Technology, Chicago, to develop a method to suppress the visibility of the track of vapor from the wake of a jet.

Vapor trails are created when the moisture in the exhaust from a plane condenses, pointed out Clark E. Thorp, manager of the Foundation's chemistry and chemical engineering research department.

Researchers are not able to eliminate the moisture, Thorp said, so they will concentrate on the chemical constituents of the exhaust and the reaction that takes place when the exhaust bursts into the icy air.

The ice particles that are formed in the vapor tract "scatter" or reflect sunlight, causing a highly visible trail which makes surprise air attacks difficult.

Edward G. Fochtman, ARF chemical engineer, said the "contrails" will be simulated in the laboratory with the use of a steam generator. Photoelectric equipment will be employed to record the amount of light reflected from the trail.

6/20/56 -more-

A study also will be made, Fochtman said, of the amounts of light given off by the various chemicals in the vapor trail.

Fochtman said the vapor track can be caused by any aircraft, but is most common with jets, probably because of the higher altitude flown and the colder temperatures encountered.

Vapor trails are caused when meteorological circumstances are right, and usually only when the higher layer of air has a temperature colder than minus 45° F., Fochtman pointed out.

The work is being done under a contract with the Air Force Cambridge Research Center at Bedford, Mass.

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FOR RELEASE: Monday, June 25, 1956

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Fourteen students from six Chicago public high schools have been awarded free tuition to the Saturday morning junior workshop at the Institute of Design of Illinois Institute of Technology.

They were selected in an art competition sponsored by Illinois Tech and the Chicago public schools.

The Saturday morning junior workshop is conducted each September through May by the Institute of Design especially for high school students interested in art and design. It is open to all interested high school students.

Included in the course will be instruction and workshop practice in visual design, photography, sculpture, and painting. It is directed by John Waddell, head of art education at the Institute of Design. Classes begin Sept. 29.

Competition winners are:

Amundsen High School: Alice Johnson, 4830 N. Seeley Ave., and Nancy Tuisi, 2136 Wilson Ave.

Saturday scholarships--add 1

Chicago Vocational High School: Robert K. Doi, 5433 Greenwood Ave.; Robert Dominiak, 8408 Mackinaw Ave.; James Muchna, 10432 Maryland Ave.; William Shogren, 8150 East End Ave., and Robert Sitkowski, 8738 Escanaba Ave.

Lake View High School: Nancy Hallin, 2136 Bradley Pl.

Lane Technical High School: William Dobias, 1647 N. Central Park Ave., and Lawrence Dombrowski, 6171 N. Moody Ave.

Parker High School: Hector Gomez, 6532 S. Harvard Ave., and Thomas Irwin, 7331 S. Stewart Ave.

South Shore High School: Corrie Lou Livingston, 8045 Luella Ave., and Iris Thurstenberg, 7702 Saginaw Ave.

Competition judges were Dr. Ann Lally, director of art in the public schools; Arthur Pelz, head of art at Oak Park-River Forest High School, and Institute of Design faculty members, Mish Kohn and John Waddell.

Plans are under way for a similar competition on a larger scale for next year, according to the judges.

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FOR RELEASE: Immediate

From: Walter York
CAlumet 5-9600
Ext. 547

Chicago was considerably dirtier than normal in May.

An average of 75.6 tons of dust per square mile fell on the city last month, according to Samuel Radner, research chemical engineer at Armour Research Foundation of Illinois Institute of Technology.

May's dustfall was 18 per cent higher than for the corresponding month of 1955 and the second highest May since scientists at Armour Research Foundation began analyzing and measuring Chicago dustfall as a public service in 1946.

"Although May's dustfall was heavier than normal," Radner commented, "it was considerably lighter than the previous month when an average of 90.6 tons of dust per square mile fell on Chicago, the third highest month on record."

Although May was slightly warmer than normal, it was quite a bit cooler than the same period last year, Radner pointed out. This, he said, probably caused furnaces to be started more frequently than in May of 1955--an activity that creates a large amount of smoke and soot in the air.

Another contributing factor--though not as important last month--is the fact that there were slightly fewer easterly winds during May than for the same period last year, Radner explained.

6/21/56 -more-

Chicago dustfall--add 1

Much improvement was shown in the Loop area, normally one of the dirtier regions of Chicago, he said. The Loop last month had an average of 78.9 tons of dustfall per square mile, compared to an average of 108.3 tons last May and an average of 106.2 tons per month for all of 1955.

Other stations in Chicago, however, had a significant dustfall increase. For example, the station at 54 W. Hubbard St. had an average of 148.3 tons of dustfall per square mile for May, compared to an average of 97.2 last May and average of 75.8 tons per month for all of 1955. Similar increases were reported for stations at 3312 Belle Plaine Ave. and 3532 Sheffield Ave.

Here is a breakdown for the May dustfall at each station:

Station Address	Ward Number	Total Dustfall
The Fair Store	1	76.7
33 N. LaSalle	1	81.0
Loop Average		78.9
2135 S. Michigan	1	63.7
825 E. 44th	4	61.1
1362 E. 59th	5	53.6
7531 Stony Island	7	116.0
67 W. 113th Pl.	9	62.3
8858 Marquette	10	85.1
3105 W. 63rd	13	65.4
62nd and Linder	13	77.4
7559 Eggleston	17	45.3
1620 W. 99th	19	38.0
3608 Ogden	22	96.2
1340 W. Monroe	26	96.5
5055 Fulton	30	75.0
1513 N. Western	32	61.5
5602 Belden	36	58.0
3312 Belle Plaine	40	101.9
7350 Pratt	41	43.7
54 W. Hubbard	42	148.3
551 Grant Pl.	44	41.0
3532 Sheffield	46	136.0
1622 Pratt Bl.	49	56.8
Average		75.6

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OR RELEASE:

June 25, 1956

AN INVITATION TO EDITORS:

An event of far-reaching importance to American industry will take place Thursday, June 28. That is the day that the nation's first nuclear reactor for industrial research will be placed in operation at Armour Research Foundation of Illinois Institute of Technology in Chicago.

You are invited to attend a press conference which will be held at 10:30 a.m. (CDT) Thursday in the reactor room of the Foundation's new Physics and Electrical Engineering Research Building at 3440 S. State St. If you cannot not attend personnally, please feel free to send another staff member.

There will be brief talks by:

Dr. Richard F. Humphreys, director of the ARF reactor program
Dr. Haldon A. Leedy, ARF director
Dr. Leonard Reiffel, ARF manager of physics research department
Dr. Marlin E. Remley, Atomics International reactor operations representative

They will explain the purpose and operation of the nuclear reactor--industry's newest tool in the never-ending struggle to develop new and better products. The talks will be followed by a question period, a picture-shooting session, and a tour of the facility. There also will be coffee and doughnuts.

A press kit with general and technical information, as well as photographs and sketches, will be passed out to those attending the press conference. If you are unable to be represented at the press conference, I would be pleased to send you the press kit.

If you or some other member of your staff is planning to attend, I would appreciate it if you would inform my office by phone or letter.

VICTOR J. DANILOV
Manager of Public Relations

6/25/56

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FOR RELEASE: Wednesday, June 27, 1956

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Chicago--A brass powder has been developed that may give a boost to the field of powder metallurgy.

That's the report from metallurgists of the New Jersey Zinc Co., Palmerton, Pa., and Armour Research Foundation of Illinois Institute of Technology, Chicago, who collaborated on the project.

"Gains in strength and hardness brings brass powder metallurgy parts closely in line with properties of wrought metal parts," said Robert Lubker, manager of ARF's metals research department.

Working under a contract with New Jersey Zinc, Armour metallurgists tested about 100 combinations in their search for alloys for powder metallurgy applications that had desirable age hardenability characteristics.

Robert F. Domagala, associate metallurgists and project leader, said the metals scientists had their sights on these three primary goals:

1. To find an alloy sufficiently hard enough for barrel finishing. (Many metals become dented when subjected to the barrel finishing process.)

2. To find an alloy that could compete in hardness and strength with wrought metal products.

3. To obtain high hardness for new fields of powder metallurgy applications.

-more-

"We found several alloys that satisfy these requirements very well," Domagala declared.

Powder metallurgy is employed to produce materials that are difficult to manufacture by other techniques. In the most conventional method of metal production the alloy is melted and then poured into a mold. In powder metallurgy the powder is compacted into a mold, removed and then sintered (heated) to cause bonding.

Powder metallurgy often is used in the production of intricate metal parts, Domagala said, because the materials produced by this method require little additional machining. This gives it a decided cost advantage over most other metals techniques.

The alloys developed at ARF were tested thoroughly for age-hardenability--which increases the hardness of the metal in a given time at a given temperature. Several alloys were developed that reacted favorably to these tests.

Many commercial products are age-hardenable, Domagala pointed out, but few that are manufactured in the powder metallurgy process.

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FOR RELEASE: Wednesday, June 27, 1956

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Chicago--Outdoor enthusiasts will make camp with lighter hearts because of a new tent recently developed at Illinois Institute of Technology.

The new tent--a wedge-shaped pup-tent that sleeps three people--is light, compact, self-supporting, and economical.

Shelter design students at Illinois Tech's Institute of Design were required to create such a structure as part of an experimental design project in camp-housing for the Young Men's Christian Association of Chicago.

The new tent utilizes the space it encloses most efficiently, according to Richard Baringer, lecturer at the Institute of Design under whose direction the project was carried out.

"It is a self-contained structure that overcomes many disadvantages of conventional tents," he said.

In describing the tent, Baringer said that the whole tent, skin and supporting poles, weighes less than five pounds, and can be packed into a compact roll approximately one yard long with a diameter of seven inches.

"Even the smallest YMCA camper can carry it long distances easily," he said.

Other significant features of the tent are:

--Simple erection so that one person can put it up in less than five minutes.

--Self support so erection is not limited to certain ground surfaces. Erection of the tent does not require that stakes be driven into the ground. It can be set up on surfaces such as rock or sand where conventional tents can not be.

--Economy through use of inexpensive yet durable materials, and through simplicity of design that eliminates complicated production methods in manufacturing the tent.

The new tents will be used this summer at Chicago YMCA camps for overnight camping trips. "We want to get the reaction of the campers and evaluate the tents' practicability," said Raymond R. Ramseyer, metropolitan boys work and camping secretary of the Chicago "Y."

Baringer described the way in which the shelter design class evolved the final tent designs.

"Each person in the class worked up a preliminary tent design," he said. "Then the class, sitting as a committee, selected the designs which it considered best for the requirements of the project."

Two tent designs, one wedge-shaped and one pyramid-shaped, were selected by the class for detailed design and manufacture. In use, the wedge-shaped tent proved to be the most satisfactory.

"The wedge-shaped tent not only is the easiest to put up, but once erected, it encloses a larger living space than does the pyramid tent though both have the same base area," Baringer pointed out.

Designed by junior shelter design student, Carolyn Mann, 559 Edgewood Pl., River Forest, Ill., simplicity--of design and erection--characterizes the wedge-shaped shelters.

The insect proof, rain proof, snake proof tent consists of two skins and a floor held in tension by aluminum poles acting as compression members. While the tent does not differ in shape from many conventional tents, unique use of the poles gives the structure its unusual advantages.

Four poles, two criss-crossed at each side, support the tent from the outside. The ends of the criss-crossed poles fit into grommets at each corner of the skin, two at the peak, two at the base. At the point where the poles cross, ties attached to the tent hold the poles securely in place.

In setting up the tent the crossed poles are attached first on one side, then the tent is turned over, and while still flat on the ground, the poles for the other side are fastened in place.

When the tent sides with their supporting poles are spread apart, the tent floor acts as the base of the resulting wedge-shaped structure. Total erection time is less than five minutes.

"With normal camping equipment inside--sleeping bags, napsacks, and supplies--the tent will hold to the ground despite strong winds," Baringer said.

The problems faced in meeting the easy portability desired by the YMCA were solved by using light yet sturdy materials--aluminum rods and baloon cloth.

The weighty poles, ropes, and stakes of a conventional tent are replaced in the new structure by four aluminum rods, each approximately 10 feet long. Each pole is made up of four sections that fit into each other. When erected, these poles form a stable framework.

The baloon cloth used in the tent sides and floor is a tightly woven cotton fabric. It is chemically treated so that it sheds water.

Triangular "doors" at each end, also of baloon cloth, have inner panels of orlon net screening. The inner screening snaps tightly to the tent sides so that insect pests do not disturb sleeping campers. In bad weather, outer "doors" can be zipped shut, tightly closing the whole shelter.

Besides portable camp structures, Institute of Design students have designed and constructed both permanent and demountable camp structures at YMCA camp sites along Lake Hastings near Lake Villa, Ill., 55 miles north of Chicago.

In addition to the portable tent structures which are the third part of the project, students will design a wash house and an over-all camp layout that emphasizes flexibility and decentralization in outdoor living.

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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Ralph F. Kosic, 9934 Avenue J, Chicago,

has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Rudolph Kosic,

is a mechanical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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25
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FOR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

O. Frederick Forsyth, 204 Harrison, Elyria,

has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. O.F. Forsyth, he is a electrical engineering graduate of at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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OR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
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Irving A. Laity, Jr., 1201 S. York Road, Elmhurst, has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Irving A. Laity, he is a electrical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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OR RELEASE: At Will

From: Walter Yurk
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Ext. 547

Robert H. Schuppe, 1245 S. 17th Avenue, Maywood, has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Fred R. Schuppe, he is a electrical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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OR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
Ext. 547

Kenneth B. Bischoff, 6119 Eddy Street, Chicago has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Arthur Bischoff, he is a chemical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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OR RELEASE: At Will

From: Walter Yurk
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Ext. 547

William A. Krerowicz, 5429 N. Lotus Ave., Chicago

has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Leo Krerowicz, he is a electrical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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OR RELEASE: At Will

From: Walter Yurk
CAlumet 5-9600
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David S. Hall, 5645 Division

has been initiated into membership in Tau Beta Pi, national engineering honorary fraternity, at Illinois Institute of Technology in Chicago.

The son of Mr. and Mrs. Clifford Hall, he is a electrical engineering senior at Illinois Tech.

Tau Beta Pi is comparable to Phi Beta Kappa and membership is awarded for distinguished scholarship and exemplary character as an undergraduate in the field of engineering.

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6/14/56

ews about the

NATIONAL ELECTRONICS CONFERENCE

HOTEL SHERMAN OCTOBER 1-3, 1956 CHICAGO, ILLINOIS

or release:

NOTE TO EDITORS:

It would be appreciated if you would make certain that the 12th annual National Electronics Conference is listed in your calendar of forthcoming events.

The conference will be held October 1-3 at the Hotel Sherman in Chicago. More than 100 technical papers and 240 exhibits will be featured.

Anyone desiring further information should write to J. S. Powers, Executive Secretary, National Electronics Conference, 84 E. Randolph St., Chicago 1. Thank you.

Victor J. Danilov
Illinois Institute of Technology
NEC Publicity Chairman

6/26/56

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FOR RELEASE: Immediate

From: Mildred Wyatt
CA 5-9600
Ext. 694

Chicago--Twelve key officials of Austrian Chambers of Commerce will tour research facilities on the Illinois Institute of Technology campus Friday, June 29.

Sponsored by the International Cooperation Administration, the Austrians are visiting the United States to study management training and promotion activities contributing to the productivity and high standard of living in this country.

Included in the tour at IIT will be visits to the Armour Research Foundation ceramics and minerals research department, Association of American Railroads research laboratories, and the Institute of Gas Technology.

The group will arrive on campus at 9:15 a.m., according to Paul B. W. Gollong, manager of the international department of Armour Research Foundation, an affiliate of Illinois Tech.

Dr. Haldon A. Leedy, ARF director, will welcome the visitors at a briefing session preceding the tour.

-more-

6/26/56

Tech Center tour--add 1

A luncheon meeting will follow the tour at 12:15 p.m. in the Student Union building, 47 W. 33rd St. Jay Doblin, director of IIT's Institute of Design, will explain the role of industrial design in productivity.

Educational aims of Illinois Tech will be explained by Raymond D. Meade, IIT director of extension and cooperative education. Herbert B. Gausebeck, manager of ARF European operations, will discuss Armour's role in the community.

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OR RELEASE: Advance

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

ADVANCE FOR RELEASE AFTER 2:30 p.m. (CDT) THURSDAY, JUNE 28, 1956

Stronger measures to control air pollution in Chicago were recommended today to Mayor Richard J. Daley.

The recommendations for changes in the city's air pollution code were presented by Thomas H. Carey, director of the Department of Air Pollution Control, at a meeting in the mayor's office.

"The proposals were designed to effect a noticeable reduction in air pollution in an orderly, progressive, and practical manner," Carey explained.

Recommended changes in the air pollution code include:

--Formation of an air pollution policy and appeal board.

--Enforcement based on performance rather than specification.

--Increase in fines for repeat offenders.

--Licensing of personnel dealing with plants and processes tending to emit pollutants.

--Extension of control to additional air pollution sources.

The recommendations were made to the Department of Air Pollution Control by the Midwestern Air Pollution Prevention Association, which was asked to suggest measures to strengthen the city's air pollution abatement laws.

The code revisions were formulated for MAPPA by scientists at Armour Research Foundation of Illinois Institute of Technology and by an engineering committee representing industry and commerce.

6/27/56 -more-

"The report stresses the need for better housekeeping by the entire community, and for a more rational coordination of control of all sources of air pollution," pointed out Dr. Haldon A. Leedy, director of Armour Research Foundation, who also is president of MAPPA.

"The recommendations suggest reliance to a greater degree on performance," Leedy said, "and to a lesser degree on mandatory specifications of construction, operation, and maintenance of equipment and plants, thus placing responsibility on the plants and operators."

Others attending the meeting in the mayor's office were Henry C. Woods, chairman and vice president of the Sahara Coal Co., chairman of the MAPPA executive committee; Raymond D. Maxson, vice president of Commonwealth Edison Co., member of the MAPPA executive committee, and Kenneth Zwiener, president of Harris Trust and Savings Bank, who is chairman of the Mayor's Air Pollution Committee.

The proposed air pollution policy and appeal board would be composed of five prominent citizens. The board would appoint an advisory group of engineers to help formulate the code of recommended practices and to advise the board and Department of Air Pollution Control on technical matters.

In recommending code enforcement on a performance basis, the report says that this would avoid creating a rigid situation and encourage individual initiative and progress in the arts involved.

The report recommends retention of current fines of $10 to $200 for the first offense in any 90-day period and adoption of a fine of from $50 to $200 for second offenses within the 90 days.

"A better deterrent than fines is needed to promote greater care and attention to air pollution control on the part of the operators," the report states.

The report recommends that licensing by the Department of Air Pollution Control be extended so that all plants tending to emit pollutants be under the supervision of licensed responsible personnel, with the department authorized to revoke such licenses for cause.

Pointing out that windborne pollution accounts for possibly 40 per cent of the total measured settled dust in the city, the report suggests control be extended to open areas, storage piles, and transfer operations.

Other recommendations in the report are:

--Prohibition of open fires except by special permit from the Department of Air Pollution Control.

--Establishment of three classes of plants with three different limits on visible smoke in accordance with technical design factors.

--Adoption of specific operating and maintenance practices for open areas, storage piles, and the transfer and transport of materials subject to being windborne. These practices would be listed in the code of recommended practices, and non-compliance would constitute a violation of the ordinance.

--Designers, builders, owners, and operators would be required to furnish complete plans before obtaining permits for construction of new plants or processes or the reconstruction of existing ones. However, the plans would not need to conform to the code of recommended practices if the applicant guarantees performance within the ordinance limits.

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END ADVANCE FOR RELEASE AFTER 2:30 p.m. (CDT) THURSDAY, JUNE 28, 19[illegible]

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FOR RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Joseph A. Kaziny of 5320 S. Nottingham Ave., an evening student at Illinois Institute of Technology, has won a $125 award in a national materials handling competition.

Kaziny placed tenth in the fourth annual Clark Equipment Company's Award for papers on materials handling. His paper was entitled, "Depaletization", and carried out the general theme of the contest, "Material Handling in 1966."

Prizes totaling $5,000 were awarded this year to create and stimulate creative thinking im material handling. The contest was sponsored through the American Material Handling Society, Inc.

Kaziny is an industrial engineer with the Campbell Soup Company.

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FOR RELEASE: At Will

From: Sara Leonard
CAlumet 5-9600
Ext. 2213

Robert J. Freund of Fox River Grove, Ill, has been awarded an honorable mention prize of $50 in the Morton Arboretum Small House Competition.

Freund, a student at the Institute of Design of Illinois Institute of Technology, Chicago, won the prize for a 3-bedroom home he designed as a shelter design class project.

The competition was sponsored by the Morton Arboretum to stimulate and demonstrate original thinking on the relationship between the interior and exterior of houses. Competition was open to architects, architectural draftsmen and students, and all others interested in small house design.

A senior at the Institute of Design, Freund is the son of Mr. and Mrs. Peter R. Freund, Crystal Lake, Ill.

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FOR RELEASE: Monday, July 2, 1956

From: Mildred Wyatt
CAlumet 5-9600
Ext. 694

Chicago--Eighteen companies are participating in an unique plan designed to keep American industry informed of European technical development.

The program--known as the European Technological Observation Group plan--has been established by Armour Research Foundation of Illinois Institute of Technology, Chicago.

The service is being offered by the Foundation to non-competing firms interested in ideas and techniques of potential value in the American market, according to Paul B. W. Gollong, manager of ARF's international department.

Armour's European listening post will begin operations in July from its headquarters in The Hague, Netherlands.

A staff of five engineers, headed by Herbert B. Gausebeck, manager of European operations, will serve as observers in the fields of mechanical, electrical, and chemical engineering, metallurgy, and chemical production.

Each observer will be assigned prime responsibility for the four sponsoring companies in his field of engineering, Gausebeck explained.

Participating companies permitting the use of their names are:

Mechanical Engineering

Caterpillar Tractor Co., Peoria, Ill.
Power Regulator Co., Skokie, Ill.
Aro Equipment Corp., Bryan, Ohio

Chemical

Parke, Davis and Co., Detroit, Mich.
Quaker Oats Co., Chicago, Ill.

Chemical Engineering

American Hard Rubber Co., New York, N.Y.
International Minerals and Chemical Corp., Chicago, Ill.
Mosinee Paper Mills Co., Mosinee, Wis.

Electrical Engineering

Amphenol Electronics Corp., Chicago, Ill.
Louis Allis Co., Milwaukee, Wis.
Warwick Manufacturing Corp., Chicago, Ill.
Texas Instruments, Inc., Dallas, Tex.

The other companies involved in the ETOG plan prefer to remain anonymous, Gausebeck said.

Armour observers will scour Western Europe for ideas, developments, and methods that will help sponsoring companies improve their competitive positions, it was explained.

The observers will be chosen for their experience in the different fields represented by the sponsoring companies, according to Gausebeck. They will be selected on the basis of knowledge of languages, customs, and philosophies of Western Europe.

In Europe, the observers will spend the major portion of their time attending all important and relevant seminars, conferences, trade shows, expositions, and technical meetings.

Starting with Armour Research Foundation's established contacts in Europe, they will broaden their acquaintances and visit scientific, technical, and industrial organizations.

"It must be emphasized," Gausebeck said, "that the observers will not engage in surreptitious activity, but will transmit only freely available information."

In addition to receiving information in their particular fields, sponsors will receive coverage of related ideas from other fields since each of the other observers will funnel back ideas from their specialities which might have a bearing on the others.

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FOR RELEASE: Immediate

From: Sara Leonard
CAlumet 5-6900
Ext. 2213

Another honor has been conferred on Ludwig Mies van der Rohe, director of the department of architecture at Illinois Institute of Technology, Chicago.

The noted architect has been elected a fellow in the American Academy of Arts and Sciences, Boston.

Considered one of the leading exponents of contemporary architecture and design, Mies van der Rohe recently also was awarded an honorary doctor of laws degree by North Carolina State College, Raleigh.

Striking examples of his "skin and bones" architecture in Chicago are the Illinois Tech campus, the 26-story twin glass apartment buildings at 860 Lake Shore Dr., and the Promotory Apartments at 5530 South Shore Dr.

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